DJ-V17 T/E/TFH/R DJ-V47 T/E/T1/T2

Service Manual

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ALINCO, INC.

SPECIFICATIONS (DJ-V17)

General

Frequency range: T: TX144~147.995MHz *144~147.995MHz

RX130~173.995MHz *144~147.995MHz E/EUK:TX144~145.995MHz *144~145.995MHz RX144~145.995MHz *144~145.995MHz

TFH/R: TX136~173.995MHz *150~173.995MHz RX130~173.995MHz *150~173.995MHz

* Guaranteed range

Modulation: F3E (FM)

Frequency step: 5, 10, 12.5, 15, 20, 25, 30kHz step

Memory channel: 200 channels + 1 call channel + 1 Repeater-Access function memory

Ant. impedance: 50 Ω unbalanced

Frequency stability: ± 5 ppm Mic impedance: $2k \Omega$

Supply voltage: DC 7.0~16.0V (EXT DC-IN)

Current consumption: 1.4A (typical) Transmit high at 5W
250mA (typical) Receive at 500mW

70mA (typical) Standby

25mA (typical) Battery save on

Temperature range: External DC: -10°C~+60°C (+14°F~+140°F)

Battery packs: -10°C~+45°C (+14°F~+113°F)

Ground: Negative ground

Dimension: 58(W) x 110(H) x 36.4(D)mm

(2.28"(W) x 4.33"(H) x 1.43"(D))

(with EBP-65)

Weight: Approx. 280g (9.9oz)

(with EBP-65)

DTMF: 16 Buttons Keypad

Sub audible Tone (CTCSS): encoder/decoder installed (39 tones)
Sub audible Tone (CTS): encoder/decoder installed (104codes)

Transmitter

Power output: Approx. 5W (with EBP-65)

Approx. 5W (with DC 13.8V) Approx. 0.8W (LOW output)

Modulation: Variable reactance
Spurious emission: -60dB or less

 $\begin{array}{ll} \text{Max. deviation:} & \pm 5 \text{kHz} \\ \text{Mic. impedance:} & 2 \text{k} \; \Omega \end{array}$

Receiver

System: Double-conversion super heterodyne

Sensitivity: $-14.0 dB \mu (0.2 \mu V)$ or less

Intermediate frequency: 1st IF 21.7MHz 2nd IF 450kHz

Selectivity: -6dB: 12kHz or more

-60dB: 26kHz or less

AF output: 500mW (MAX)

400mW (8 Ω , 10% distortion)

SPECIFICATIONS (DJ-V47)

General

Frequency range: T: TX420~449.995MHz *420~449.995MHz

RX400~479.995MHz *420~449.995MHz E: TX430~439.995MHz *430~439.995MHz RX430~439.995MHz *430~439.995MHz T1: TX400~459.995MHz *400~429.995MHz RX400~479.995MHz *450~469.995MHz RX440~479.995MHz *450~469.995MHz

* Guaranteed range

Modulation: F3E (FM)

Frequency step: 5, 10, 12.5, 15, 20, 25, 30kHz step

Memory channel: 200 channels + 1 call channel + 1 Repeater-Access function memory

Ant. impedance: 50 Ω unbalanced

Frequency stability: ± 2.5 ppm Mic impedance: $\pm 2 \times \Omega$

Supply voltage: DC 7.0~16.0V (EXT DC-IN)

Current consumption: 1.7A (typical) Transmit high at 5W

250mA (typical) Receive at 500mW

80mA (typical) Standby

27mA (typical) Battery save on

Temperature range: External DC: -10°C~+60°C (+14°F~+140°F)

Battery packs: -10°C~+45°C (+14°F~+113°F)

Ground: Negative ground

Dimension: 58(W) x 110(H) x 36.4(D)mm

(2.28"(W) x 4.33"(H) x 1.43"(D))

(with EBP-65)

Weight: Approx. 280g (9.9oz)

(with EBP-65)

DTMF: 16 Buttons Keypad

Sub audible Tone (CTCSS): encoder/decoder installed (39 tones)
Sub audible Tone (CTS): encoder/decoder installed (104codes)

Transmitter

Power output: Approx. 4.5W (with EBP-65)

Approx. 5W (with DC 13.8V) Approx. 0.8W (LOW output)

Modulation: Variable reactance
Spurious emission: -60dB or less

Spurious emission: -60dB or leading to $\pm 5 \text{kHz}$ Mic. impedance: $2 \text{k} \Omega$

Mic. impedance:

Receiver

System: Double-conversion super heterodyne

Sensitivity: $-12.0 dB \mu (0.25 \mu V)$ or less

Intermediate frequency: 1st IF 38.85MHz 2nd IF 450kHz

Selectivity: -6dB: 12kHz or more

-60dB: 26kHz or less

AF output: 500mW (MAX)

400mW (8 Ω , 10% distortion)

CIRCUIT DESCRIPTION

1) Receiver System

DJ-V17 :The receiver system is a double superheterodyne system with a 21.7 MHz first IF and a 450 kHz second IF.

DJ-V47: The receiver system is a double superheterodyne system with a 38.85 MHz first IF and a 450 kHz second IF.

1. Front End

DJ-V17: The received signal at any frequency in the 130.000- to 173.995-MHz (E version: 144,000- to 145,995-MHz) range is passed through the low-pass filter (L101, L102, L103, L113, C108, C120, C121, C124, C125, C126, C127 and C176) and ATT (Attenuator) circuit (Q120, R161, R187 and D112), and tuning circuit (C192, C193, C215, C216, D115, D116, L125 and L126), then amplified by the RF amplifier (Q114). The signal from Q114 is then passed through the tuning circuit (C200, C201, C219, C220, D117, D118, L128 and L129) and converted into 21.7 MHz by the mixer (Q116). The tuning circuit, which consists of C192, C193, C215, C216, L125, L126, variable capacitance diodes D115 and D116 and C200, C201, C219, C220, L128, L129, variable capacitance diodes D117 and D118, is controlled by the tracking voltage from the CPU so that it is optimized for the reception frequency. The local signal from the VCO is passed through the buffer (Q113), and supplied to the source of the mixer (Q116). The radio uses the lower side of the superheterodyne system.

DJ-V47: The received signal at any frequency in the covering range (T version : 400.000- to 479.995-MHz, E version : 430.000- to 439.995-MHz, T1 version: 400.000- to 459.995MHz, T2 version: 440.000- to 479.995MHz) is passed through the low-pass filter (L101, L102, L103, L113, C108, C120, C121, C124, C125, C126, C127 and C176) and ATT (Attenuator) circuit (Q120, R161, R187 and D112), and tuning circuit (C192, C193, C215, C216, D115, D116, L125 and L126), then amplified by the RF amplifier (Q114). The signal from Q114 is then passed through the tuning circuit (C200, C201, C219, C220, D117, D118, L128 and L129) and converted into 38.85 MHz by the mixer (Q116). The tuning circuit, which consists of C192, C193, C215, C216, L125, L126, variable capacitance diodes D115 and D116 and C200, C201, C219, C220, L128, L129, variable capacitance diodes D117 and D118, is controlled by the tracking voltage from the CPU so that it is optimized for the reception frequency. The local signal from the VCO is passed through the buffer (Q113), and supplied to the source of the mixer (Q116). The T1/T2 versions use the lower side of the superheterodyne system while T/E versions switshes the lower and upper system at 420.000MHz; lower side foe the frequency up to 419.995MHz and upper side for 420.000MHz and up.

2. ATT (Attenuator) Circuit

This circuit is used in case the receiving signal is disturbed by interfering signal(s), attenuating the receiving signal(s) to reduce the interference. CPU (IC109)'s pin 10 outputs a DC current to drive Q120, controlling D112's resistance to adjust the attenuation value.

3. IF Circuit

DJ-V17: The mixer(Q116) mixes the received signal with the local signal to obtain the sum of and difference between them. The crystal filter (FL101, FL102) selects 21.7 MHz frequency from the results and eliminates the signals of the unwanted frequencies. The first IF amplifier (Q119) then amplifies the signal of the selected frequency. After the signal is amplified by the first IF amplifier (Q119), it is input to pin 16 of the demodulator IC (IC103). The second local signal of 21.25 MHz (shared with PLL IC reference oscillation), which is oscillated by the internal oscillation circuit in IC103 and crystal (X101), is input through pin 1 of IC103. Then these two signals are mixed by the internal mixer in IC103 and the result is converted into the second IF signal with a frequency of 450kHz. The second IF signal is output from pin 3 of IC103 tothe ceramic filter (FL103), where the unwanted frequency band of that signal is eliminated, and the resulting signal is sent back to the IC103 through 5 pins.

DJ-V47: The mixer(Q116) mixes the received signal with the local signal to obtain the sum of and difference between them. The crystal filter (FL101) selects 38.85 MHz frequency from the results and eliminates the signals of the unwanted frequencies. The first IF amplifier (Q119) then amplifies the signal of the selected frequency. After the signal is amplified by the first IF amplifier (Q119), it is input to pin 16 of the demodulator IC (IC103). The second local signal of 38.4 MHz, which is oscillated by the internal oscillation circuit in IC103 and output of tripler circuit (L123, C202, C191, L122, Q115), is input through pin 1 of IC103. Then these two signals are mixed by the internal mixer in IC103 and the result is converted into the second IF signal with a frequency of 450kHz. The second IF signal is output from pin 3 of IC103 to the ceramic filter (FL103), where the unwanted frequency band of that signal is eliminated, and the resulting signal is sent back to the IC103 through 5 pins.

4. Demodulator Circuit

The second IF signal input via pin 5 is demodulated by the internal limiter amplifier and Quadrature detection circuit in IC103, and output as an audio signal through pin 9.

5. Audio Circuit

The audio signal from pin 9 of IC103 is compensated to the audio frequency characteristics in the de-emphasis circuit (R223, R224, C241, C242) and amplified by the AF amplifier (Q196). The signal is then input to pin 1 of the electronic volume (IC107) for volume adjustment, and output from pin 2. The adjusted signal is sent to the audio power amplifier (IC106) through pin 2 to drive the speaker.

6. Squelch Circuit

Part of the audio signal from pin 9 of IC103 is amplified by the noise filter amplifier and the internal noise amplifier in IC103. The desired noise of the signal is output through pin 14 of IC103 and input to pin 2 of CPU (IC109).

2) Transmitter System

1. Modulator Circuit

The audio signal is converted to an electric signal in either the internal or external microphone, and input to the microphone amplifier (IC102).

IC102 consists of four operational amplifiers; 1st amplifier (pins 1, 2, and 3) is composed of high-pass filter, 2nd amplifier (pins 12, 13, and 14) is composed of pre-emphasis and IDC circuits, 3rd amplifier (pins 8, 9, and 10) is composed of a splatter filter and 4th amplifier (pins 7, 6, and 5) is composed of a splatter filter. The maximum frequency deviation is determined to its optimal value by VR104 and input to the cathode of the variable capacitance diode of the VCO, to change the electric capacity in the oscillation circuit.

2. Power Amplifier Circuit

The transmitted signal is oscillated by the VCO, amplified by the predrive amplifier (Q104) and drive amplifier (Q103), and input to the power amplifier (Q102). The signal is then amplified by the power amplifier (Q102) and led to the antenna switch (D101 and D103) and low-pass filter (L104, L103, L102, L101, C107, C108, C109, C110, C111, C120, C121, C124, C125, C126, and C127), where unwanted high harmonic signals are reduced as needed, and the resulting signal is supplied to the antenna.

3. APC Circuit

Part of the transmission power from the low-pass filter is detected by D105, converted to DC, and then amplified by a differential amplifier (Q111). The output voltage controls the bias voltage from the gate of Q102 and Q103 to maintain the transmission power constant.

3) PLL Synthesizer Circuit

1.CPU control

The dividing ratio is obtained by sending data from the CPU (IC109) to pin 10, and sending clock pulses to pin 9 of the PLL IC (IC101). The oscillated signal from the VCO is amplified by the buffer (Q118), then input to pin 8 of IC101. Each programmable divider in IC101 divides the frequency of the input signal by N-value according to the frequency data, to generate a comparison frequency of 5 or 6.25 kHz.

2. Reference Frequency Circuit

used.

DJ-V17: The reference frequency appropriate for the channel steps is obtained by dividing the 21.25MHz reference oscillation (X101) by 4250 or 3400, according to the data from the CPU (IC109). When the resulting frequency is 5 kHz, channel steps of 5, 10, 15, 20, and 30 kHz are used. When it is 6.25 kHz, steps of 12.5, 25, and 50 kHz are

6

DJ-V47: The reference frequency appropriate for the channel steps is obtained by dividing the 12.8MHz reference oscillation (X102) by 2048 or 2560, according to the data from the CPU (IC109). When the resulting frequency is 5 kHz, channel steps of 5, 10, 15, 20, and 30 kHz are used. When it is 6.25 kHz, steps of 12.5, 25, and 50 kHz are used.

3. Phase Comparator Circuit

The PLL (IC101) uses the reference frequency, 5 or 6.25 kHz. The phase comparator in the IC101 compares the phase of the frequency from the VCO with that of the comparison frequency, 5 or 6.25 kHz, which is obtained by the internal divider in IC101.

4. PLL Loop Fitter Circuit

If a phase difference is found in the phase comparison between the reference frequency and VCO output frequency, the charge pump output (pin 5) of IC101 generates a pulse signal, which is converted to DC voltage by the PLL loop filter and input to the variable capacitance diode of the VCO unit for oscillation frequency control.

5. VCO Circuit

DJ-V17 :A Colpitts oscillation circuit driven by Q108 directly oscillates the desired frequency. The frequency control voltage determined in the CPU (IC109) and PLL circuit is input to the variable capacitance diodes (D107 and D109). This changes the oscillation frequency, which is amplified by the VCO buffer (Q110) and output from the VCO unit.

DJ-V47 :A Colpitts oscillation circuit driven by Q108 directly oscillates the desired frequency. The frequency control voltage determined in the CPU (IC109) and PLL circuit is input to the variable capacitance diodes (D109 and D110). This changes the oscillation frequency, which is amplified by the VCO buffer (Q110) and output from the VCO unit.

4) CPU and Peripheral Circuits

1. LCD Display Circuit

The CPU turns ON the LCD via segment and common terminals with 1/3 the duty and 1/3

the bias, at the frame frequency of 112.5Hz.

2. Display Lamp Circuit

When the LAMP key is pressed, "L" is output from pin 42 of CPU (IC109) to the bases of Q152 then turns to ON and "H" is output from emitter of Q152 to the bases of Q146 to light LEDs (D131, D132).

3. Reset and Backup Circuits

TWhen the Output Voltage from pin 3 of IC110 drops to 4.5 V or below, the output signal from the reset IC (IC104), which has been input to pin 33 of the CPU (IC109), changes from "H" to "L" level. The CPU will then be in the backup state.

4. S(Signal)Meter Circuit

The DC potential of pin 12 of IC103 is input to pin 1 of the CPU (IC109), converted from an analog to a digital signal, and displayed as the S-meter signal on the LCD.

5. Tone Encoder

The CPU (IC109) is equipped with an internal tone encoder. The tone signal (67.0 to 250.3Hz) is output from pin 9 of the CPU to the variable capacitance diode of the VCO and 21.25MHz reference oscillation (X101) of the PLL IC (IC101) for modulation.

6. DCS Encoder

DJ-V17 :The CPU (IC109) is equipped with an internal DCS code encoder. The DCS code (023 to 754) is output from pin 7 of the CPU to 21.25 MHz reference oscillation (X101) of the PLL IC (IC101) for modulation.

DJ-V47 :The CPU (IC109) is equipped with an internal DCS code encoder. The DCS code (023 to 754) is output from pin 7 of the CPU to 12.8 MHz reference oscillation (X102) of the PLL IC (IC101) for modulation.

7. CTCSS, DCS Decoder

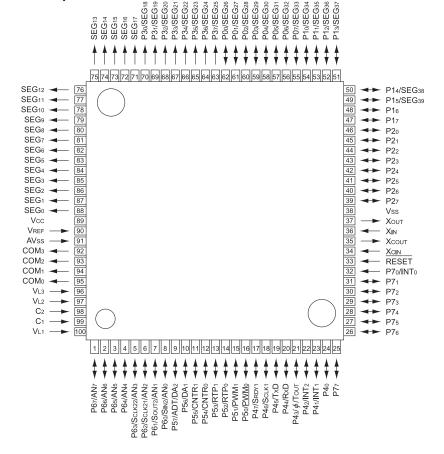
The AF signal from the pin 9 of IC103 is filtered by an active filter (IC108) to eliminate the voice range of the signal then amplified and input to the pin 4 of the CPU (IC109). The signal is compared in the CPU with the pre-selected CTCSS and DCS values and the squelch opens in case the value matches.

8.Clock Shift

In case the selected frequency is disturbed by a CPU clock-noise, it may be eliminated by changing the CPU clock frequency. When the clock-shift is set, the pin 31 of the CPU (IC109) becomes Low turning ON the Q124. When Q124 becomes ON, X104's oscillation frequency shifts approximately by 200ppm.

5) M38268MCA-077GP (XA1121)

CPU
Terminal Connection
(TOP VIEW)



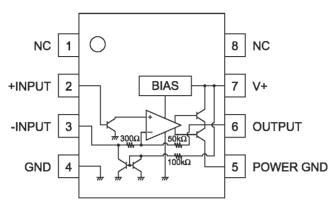
No.	Terminal	Signal	I/O	Description
1	P67/AN7	SMT		S-meter input
2	P66/AN6	SQL	Ť	Noise level input for squelch
3	P65/AN5	BAT	Ì	Low battery detection input
4	P64/AN4	TIN	Ì	CTCSS tone input / DCS code input
5	P63/SCLK22/AN3	BP1	Ì	Band plan 1
6	P62/SCLK21/AN2	BP2	Ì	Band plan 2
7	P61/SOUT2/AN1	DCSW	Ö	DCS signal mute
8	P60/SIN2/AN0	FKEY	Ť	Function / Monitor Key input
9	P57/ADT/DA2	CTOUT	Ö	CTCSS tone output / DCS tone output
10	P56/DA1	DTOUT		DTMF output
11	P55/CNTR1	SCL		Serial clock for EEPROM
12	P54/CNTR0	TBST		Tone burst output
13	P53/RTP1	BP4	ı, Ü	Band plan 4
14	P52/RTP0	MUTE	1/0	Microphone mute / Bank change input while trunking
15	P51/PWM3	CLK		Serial clock output for PLL, and trunking board
'	1 0 1/1 ********	OLIX	Ŭ	Serial data output for PLL, CTCSS / PLL unlock signal input /
16	P50/PWM0	DATA	1/0	EVR control output
	1 00/1 991910	J, 1// 1	","	Trunking board detection (when the unit is turned ON) /
17	P47/SROY1	TRST	1/0	Strobe signal to trunking board
18	P46/SCLK1	STBP	0	Strobe for PLL IC
19	P45/TXD	UTX		UART data transmission output
20	P44/RXD	URX	H	UART data transmission output
21	P43/ΦTOUT	BEEP	1/0	Beep tone/Band plan 3 (when the unit is turned on)
22	P42/INT2	RE2	1/ U	beep tone/band plan 5 (when the drift is turned on)
23	P41/INT1	RE1	1	Rotary encoder input
24	P40	CLO	0	CLONE ON/OFF output
25	P77	PTTK	<u> </u>	PTT input
26	P76	CHG	-	Battery charge ON/OFF output
27	P75	P5C	0	PLL power ON/OFF output
28	P74	T5C		TX power ON/OFF output
29	P73	R5C		RX power ON/OFF output
30	P72	AFP	_	
31	P71	CLSFT	0	AF AMP power ON/OFF output CLOCK frequency shift
32	P70/INTO	BU	<u> </u>	
33		RESET		Backup signal detection input
	RESET	RESET	-	Reset input
34	Xcin		-	-
35	Xcout	MINI	-	Main also in and
36	Xin	XIN	-	Main clock input
37	Xout	XOUT	-	Main clock output
38	Vss	GND	-	CPU GND
39	P27	PSW	<u> </u>	Power switch input
40	P26	SDA	0	Serial data for EEPROM
41	P25	C5C	0	C5V power ON/OFF output
42	P24	LAMP	0	Lamp ON/OFF
43	P23	KI0	-	
44	P22	KI1		Key matrix input
45	P21	KI2		* '
46	P20	KI3		
47	P17	KO3	0	
48	P16	KO2	0	Key matrix output
49	P15/SEG39	KO1	0	* '
50	P14/SEG38	KO0	0	
51	P13/SEG37	DA3	0	DA converter for Tx output power
52	P12/SEG36	DA2	0	DA converter for Tx output power
53	P11/SEG35	DA1	0	DA converter for Tx output power
54	P10/SEG34	AFC/DA0	0	DA converter for Tx output power
	D07/05/00	EVE	,,_	Trunking TXDT control / Voice Scrambler Board detection
55	P07/SEG33	EXP		(when the unit is turned on)
56	P06/SEG32	SD/PO	0	Signal detection output / Tx power Hight or Low

No.	Terminal	Signal	I/O	Description
57	P05/SEG31	SEG31	О	
58	P04/SEG30	SEG30	0	
59	P03/SEG29	SEG29	0	
60	P02/SEG28	SEG28	0	
61	P01/SEG27	SEG27	0	
62	P00/SEG26	SEG26	0	
63	P37/SEG25	SEG25	0	
64	P36/SEG24	SEG24	0	
65	P35/SEG23	SEG23	0	
66	P34/SEG22	SEG22	0	
67	P33/SEG21	SEG21	0	
68	P32/SEG20	SEG20	0	
69	P31/SEG19	SEG19	0	
70	P30/SEG18	SEG18	0	
71	SEG17	SEG17	0	
72	SEG16	SEG16	0	CD cogmont signal
73	SEG15	SEG15	0	LCD segment signal
74	SEG14	SEG14	0	
75	SEG13	SEG13	0	
76	SEG12	SEG12	0	
77	SEG11	SEG11	0	
78	SEG10	SEG10	0	
79	SEG9	SEG9	0	
80	SEG8	SEG8	0	
81	SEG7	SEG7	0	
82	SEG6	SEG6	0	
83	SEG5	SEG5	0	
84	SEG4	SEG4	0	
85	SEG3	SEG3	0	
86	SEG2	SEG2	0	
87	SEG1	SEG1	0	
88	SEG0	SEG0	0	
89	Vcc	VDD	-	CPU power terminal
90	Vref	Vref	-	AD converter power supply
91	Avss	Avss	<u> </u>	AD converter GND
92	COM3	COM3		LCD COM3 output
93	COM2	COM2		LCD COM2 output
94	COM1	COM1		LCD COM1 output
95	COM0	COM0	0	LCD COM0 output
96	VL3	VL3	ļ-	LCD power supply
97	VL2	VL2	 -	1
98	C2	C2	 -	-
99	C1	C1	 -	- -
100	VL1	VL1	<u> </u>	LCD power supply

SEMICONDUCTOR DATA

1) NMJ2070MT1 (XA0210)

Low Voltage Power Amplifier Equivalent Circuit

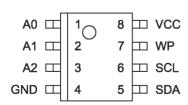


V+=6V, Ta=25±2°C

Parameter	Cond	Condition			Тур.	Max.	Unit
Supply voltage			V+	1.8	-	15	٧
Idle current	RL=		IQ	-	4	7	mA
Output voltage			Vo	-	2.7	-	٧
Input bias current			lB	-	200	-	nA
	THD=10%, f=1kHz	V+=6V, RL=4		0.5	0.6	-	W
		V+=4.5V, RL=4		-	0.32	-	W
Oudput power		V+=3V, RL=4	Po	-	120	-	mW
Output power		V+=2V, RL=4	1 50	-	30	-	mW
	THD=10%, f=1kHz	V+=6V, RL=4		-	500	-	mW
		V+=4.5V, RL=4	1	-	250	-	mW
Distortion	Po=0.4W, RL=4 ,	f=1kHz	THD	-	0.25	-	%
Voltage gain	f=1kHz		Av	41	44	47	dB
Input impedance	f=1kHz		ZIN	100	-	-	k
Equivalent input noise voltage	Rs=10k	A curve	Vn1	-	2.5	-	μV
		B=22Hz to 22kHz	Vn2	-	3	-	μV
Power supply voltage rejection ratio	f=100Hz, Cx=100 μ F		SVR	24	30	-	dB
Power gain band width (–3dB)	RL=8 , Po=250mW		P.B	-	200	-	kHz

2) S24CS64A01-J8T1G (XA1117)

16K bits CMOS Serial EEPROM

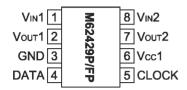


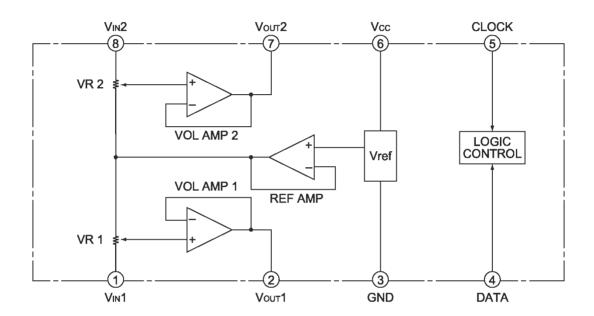
Pin Number	Pin Name	Function					
1	A0	Slave address input					
2	A1	Slave address input					
3	A2	Slave address input					
4	GND	Groudd					
5	SDA	Serial data input / output					
6	SCL	Serial clock input					
7	WP	Write protection input Connected to Vcc:	Protection valid				
	, 41	Connected to VCC. Protection valid Connected to GND: Protection invalid					
8	VCC	Power supply					

Remark See Dimensions for details of the package drawings.

3) M62429FP/CF0J (XA1118)

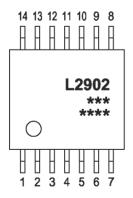
Electronic Volume





4) LM2902PWR (XA1106)

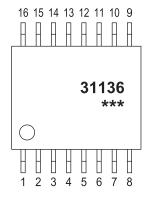
Quad Operational Amplifiers



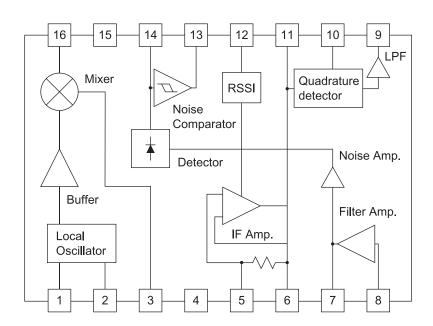
- 1. Output A
- 2. Inverting Input A
- 3. Non-inverting Input A
- 4. Vcc
- 5. Non-inverting Input B
- 5. Inverting Input B
- 7. Output B
- 8. Output C
- 9. Inverting Input C
- 10. Non-inverting Input C
- 11. GND
- 12. Non-inverting Input D
- 13. Inverting Input D
- 14. Output D

5) TA31136FN(EL) (XA0404)

Low Power FM IC

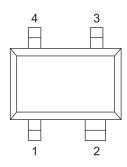


1. OSC IN 9. AF OUT 2. OSC OUT 10. QUAD 11. IF OUT 3. MIX OUT 4. Vcc 12. RSSI 5. IF IN 13. N-DET 6. DEC 14. N-REC 7. FIL OUT 15. GND 8. FIL IN 16. MIC IN



6) S80845CLNB-B66-T2G (XA1120)

C-MOS Voltage Detector

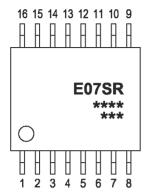


Pin No.	Pin name	Pin description
1	OUT	Voltage detection output pin
2	VDD	Voltage input pin
3	NC*1	No connection
4	VSS	GND pin

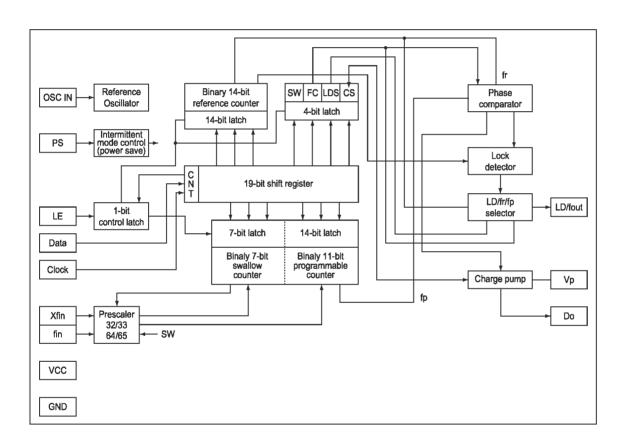
*1. The NC pin is electrically open.
The NC pin can be connected to VDD or VSS.

7) MB15E07SR (XA1107)

PLL Synthesizer



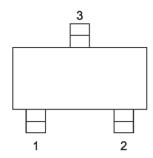
1. OSC IN 9. CLOCK 2. N. C. 10. Data 3. Vp 11. LE 4. Vcc 12. PS 5. Do 13. N. C. 14. LD / fout 6. GND 15. N. C. 7. Xfin 8. fin 16. N. C.



(Vcc=2.7 to 5.0V, Ta=-40°C to +85oC)

Parameter	Symbol	Condition	Min.	Тур.	Max.	Unit
Power supply voltage	Vcc	Vcc -		3.75	5.0	V
Power supply current	lcc	2500MHz Vcc=Vp=3.75V		8.0		mA
LPF supply voltage	PF supply voltage Vp		Vcc	-	5.5	V
Local oscillator input level	Vfin	100MHz to 300MHz 300MHz to 2500MHz	-6 -15		+2 +2	dBm
Local oscillator input frequency	fin	-	100		2500	MHz
Xin input level	Vxin	-	0.5		Vcc	Vp-p
Xin input frequency	Fxin	-	3		40	MHz

8) XC6202P502MR (XA1119) Voltage Regulator



Pin No.	Pin name	Function
1	VOUT	Regulated Voltage Output
2	VIN	Supply Voltage Input
3	VSS	Ground

Absolute Maximum Ratings

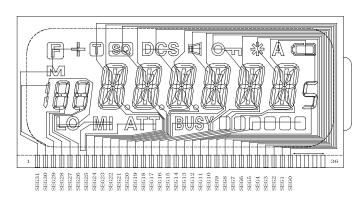
Parameter	Symbol	Rating	Units
Input Voltage	VIN	22	V
Output Current	IOUT	500	mA
Output Voltage	VOUT	VSS-0.3~VIN+0.3	V
Power Dissipation	Pd	150	mW
Operating Ambient Temperature	Topr	-40~+85	°C
Storage Temperature	Tstg	-55~+125	°C

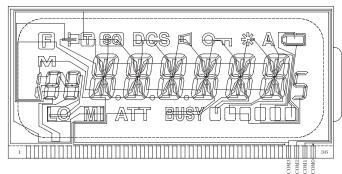
9) Transistor, Diode and LED outline Drawings

Top View

MA741WA-(TX) XD0251	1SS362(TE85L) XD0338	1SV308(TPH3) XD0339	MAZS0270HL XD0377	1SV314(TPH3,F) XD0403	1SS423(TE85L,F) XD0416	HVC202BTRU-E XD0417
M2P*	C3 ¥	*	Ž	☆ V 6	₩ ew +	A
RB521S-30TE61 XD0418	1SS400TE61 XD0419	FA3J3STP XD0420	1SV323(TPH3,H) XD0421	HSC277TRF-E XD0422	HVC132TRF-E XD0423	S3JB-T XD0424
† c	A	本	* * * *	*		GGW**
SML-310MTT86 XL0036	SML-521MUWT86 XL0097	3SK293 TE85L XE0053	SSM3K15FV(TPL) XE0069	2SK3475(TE12L,F) XE0070	2SK3476(TE12L,Q) XE0071	2SB766A-(TX)R XT0170
□	GREEN ***********************************	D S H H H H H H H H H H H H H H H H H H	D DP G S	W * B	S D D S	B B C E
2SC5066FT-Y XT0180	2SC6026MFV XT0210	2SA1955FV-A(TPL3) XT0212	2SC5659T2L XT0213	HN2C01FE-GR(T5L,F) XT0214	15GN03F-TL-E XT0219	RN1107MFV(TPL3) XU0210
C M2 B E	HY B E	GA B E	C AP B E	6 5 4 L1G 1 2 3	ZC B E	XH B E
				1		Rb=10kohm Rbe=47kohm
RN2107MFV(TPL3) XU0211	RN2115MFV(TPL3) XU0212	RN1111MFV(TPL3),F XU0213	RN2111MFV(TPL3) XU0220			
C YH B E	C YS B E	C XM B E	C YM B E			
Rb=10kohm Rbe=47kohm	Rb=2.2kohm Rbe=10kohm	Rb= min :7kohm typ. : 10kohm max :13kohm Rbe=none	Rb=min:7kohm typ.: 10kohm max:13kohm Rbe=none			

10) LCD Connection (EL0059)

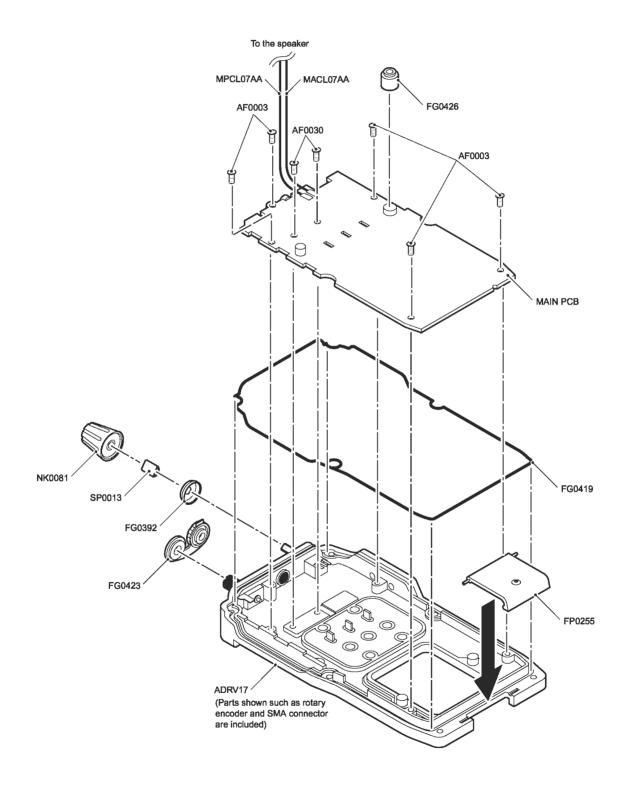




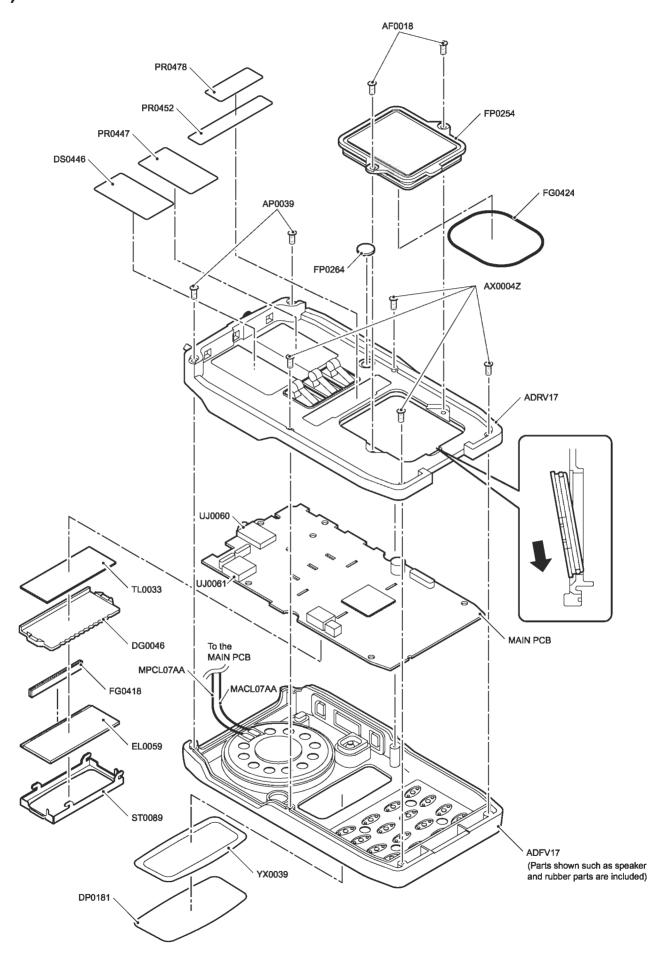
SEGMENT COMMON

EXPLODED VIEW

1) Front View



2) Rear View



PARTS LIST<DJ-V17>

MAIN Unit

Model:DJ-V17

			1					1	51.DJ-V 17
Ref. No.	Parts No.	Description	Parts Name	Version	Ref. No.	Parts No.	Description	Parts Name	Version
C101	CU3035	Chip C	C1608JB1H102KT-AS		C156	CU3515	Chip C	GRP1552C1H220JZ01E	
C102	CU3035	Chip C	C1608JB1H102KT-AS		C157	CU3502	Chip C	GRP1554C1H1R0CZ01E	
C103	CU3023	Chip C	C1608CH1H101JT-AS		C158	CU3535	Chip C	GRP155B11H102KA01E	
C104	CU3513	Chip C	GRP1552C1H150JZ01E		C159	CU3535	Chip C	GRP155B11H102KA01E	
C105	CU3523	Chip C	GRP1552C1H101JD01E		C160	NC			
C106	CU3503	Chip C	GRP1554C1H2R0CZ01E		C161	NC			
C107	CU3013	Chip C	C1608CH1H150JT-AS		C162	CU3529	Chip C	GRP155B11H331KD01E	
C108	CU3014	Chip C	C1608CH1H180JT-AS		C163	CS0426	Chip Tantalum	F931A106MAA	
C109	CU3016	Chip C	C1608CH1H270JT-AS	TFH, R	C164	CS0426	Chip Tantalum	F931A106MAA	
C109	CU3018	Chip C	C1608CH1H390JT-AS	T, E, EUK	C165	CU3554	Chip C	GRP155B11A104KA01E	
C110	CU3017	Chip C	C1608CH1H330JT-AS		C166	CU3535	Chip C	GRP155B11H102KA01E	
C111	CU3019	Chip C	C1608CH1H470JT-AS		C167	NC			
C112	CU3015	Chip C	C1608CH1H220JT-AS		C168	CU3535	Chip C	GRP155B11H102KA01E	
C113	CU3015	Chip C	C1608CH1H220JT-AS		C169	CU3535	Chip C	GRP155B11H102KA01E	
C114	CU3018	Chip C	C1608CH1H390JT-AS	TFH, R	C170	NC	Grap G	014 1005 111102101012	
C114	CU3019	Chip C	C1608CH1H470JT-AS	T, E, EUK	C171	CU3535	Chip C	GRP155B11H102KA01E	
C115	CU3516	Chip C	GRP1552C1H270JZ01E	1, 2, 201	C172	NC	Onip O	ON TOOD THIT OZIONOTE	
C116	CU3535	Chip C	GRP155B11H102KA01E	\vdash	C173	CU3535	Chip C	GRP155B11H102KA01E	
C117	CU3517	Chip C	GRP1552C1H330JZ01E	\vdash	C174	CS0396	Chip Tantalum	TMCP1D104MTR	
C118	CU3502	Chip C	GRP1554C1H1R0CZ01E		C176	CU3511	Chip C	GRP1552C1H100JZ01E	
C119	CU3502	Chip C	GRP1554C1H1R0CZ01E		C177	CU3513	Chip C	GRP1552C1H150JZ01E	
				\vdash	C178	-			
C120	CU3012	Chip C	C1608CH1H120JT-AS	\vdash		CU3503	Chip C	GRP1554C1H2R0CZ01E	
C121	CU3005	Chip C	C1608CH1H040CT-AS	\vdash	C179	CU3133	Chip C	TMK107BJ105KA-T	
C122	CU3547	Chip C	GRP155B11C103KA01E	\vdash	C180	CU3535	Chip C	GRP155B11H102KA01E	
C123	CU3517	Chip C	GRP1552C1H330JZ01E	\vdash	C181	CU3535	Chip C	GRP155B11H102KA01E	
C124	CU3012	Chip C	C1608CH1H120JT-AS		C182	CU3133	Chip C	TMK107BJ105KA-T	
C125	CU3013	Chip C	C1608CH1H150JT-AS	\vdash	C183	CS0398	Chip Tantalum	TMCP0J225MTR	
C126	CU3013	Chip C	C1608CH1H150JT-AS	\vdash	C184	CU3506	Chip C	GRP1552C1H5R0CZ01E	
C127	CU3013	Chip C	C1608CH1H150JT-AS	\vdash	C185	CU3535	Chip C	GRP155B11H102KA01E	
C128	CU3554	Chip C	GRP155B11A104KA01E	igwdown	C186	CU3554	Chip C	GRP155B11A104KA01E	
C129	CU3535	Chip C	GRP155B11H102KA01E		C187	CU3511	Chip C	GRP1552C1H100JZ01E	
C130	CU3535	Chip C	GRP155B11H102KA01E		C188	CU3535	Chip C	GRP155B11H102KA01E	
C131	CU3512	Chip C	GRP1552C1H120JZ01E		C189	CU3535	Chip C	GRP155B11H102KA01E	
C132	CU3547	Chip C	GRP155B11C103KA01E		C190	CU3504	Chip C	GRP1553C1H3R0CZ01E	
C133	CU3535	Chip C	GRP155B11H102KA01E	\Box	C191	NC			
C134	CU3547	Chip C	GRP155B11C103KA01E		C192	CU3504	Chip C	GRP1553C1H3R0CZ01E	
C135	CU3535	Chip C	GRP155B11H102KA01E		C193	CU3503	Chip C	GRP1554C1H2R0CZ01E	
C136	CU3535	Chip C	GRP155B11H102KA01E		C193	CU3504	Chip C	GRP1553C1H3R0CZ01E	T, E, EUK
C137	CU3511	Chip C	GRP1552C1H100JZ01E		C194	CU3535	Chip C	GRP155B11H102KA01E	
C138	CU3523	Chip C	GRP1552C1H101JD01E		C195	CU3512	Chip C	GRP1552C1H120JZ01E	
C139	CU3503	Chip C	GRP1554C1H2R0CZ01E		C196	CU3559	Chip C	GRM155B30J105KE18D	
C140	CU3502	Chip C	GRP1554C1H1R0CZ01E		C197	NC			
C141	CU3535	Chip C	GRP155B11H102KA01E		C198	NC			
C142	CS0441	Chip Tantalum	TMCMA0J226MTRF		C199	CU3535	Chip C	GRP155B11H102KA01E	
C143	CU3535	Chip C	GRP155B11H102KA01E		C200	CU3503	Chip C	GRP1554C1H2R0CZ01E	
C144	CU3535	Chip C	GRP155B11H102KA01E		C201	CU3503	Chip C	GRP1554C1H2R0CZ01E	
C145	CU3535	Chip C	GRP155B11H102KA01E		C202	NC			
C146	CU3535	Chip C	GRP155B11H102KA01E		C204	CU3535	Chip C	GRP155B11H102KA01E	
C147	CU3516	Chip C	GRP1552C1H270JZ01E		C205	CU3535	Chip C	GRP155B11H102KA01E	
C148	CU3535	Chip C	GRP155B11H102KA01E		C206	CU3535	Chip C	GRP155B11H102KA01E	
C149	CU3535	Chip C	GRP155B11H102KA01E		C207	CU3547	Chip C	GRP155B11C103KA01E	
C150	CU3503	Chip C	GRP1554C1H2R0CZ01E		C208	CU3524	Chip C	GRP1552C1H121JD01E	
C151	CU3502	Chip C	GRP1554C1H1R0CZ01E		C209	CU3515	Chip C	GRP1552C1H220JZ01E	
C152	NC	T .			C210	NC	1		
C153	NC				C211	CU3547	Chip C	GRP155B11C103KA01E	
C154	NC				C212	CU3523	Chip C	GRP1552C1H101JD01E	
C155	CU3559	Chip C	GRM155B30J105KE18D		C213	CU3535	Chip C	GRP155B11H102KA01E	
3.00	120000	1b o			92.10	120000	Tamb a	1	

C215 CU3517 Chip C GRP1552C1H330JZ01E C275 CU3543 Ch C216 CU3520 Chip C GRP1552C1H560JD01E C276 CU3535 Ch	hip C hip C	GRP1552C1H180JZ01E GRP155B11E472KD01E	
C215 CU3517 Chip C GRP1552C1H330JZ01E C275 CU3543 Ch C216 CU3520 Chip C GRP1552C1H560JD01E C276 CU3535 Ch	hip C hip C		
C216 CU3520 Chip C GRP1552C1H560JD01E C276 CU3535 Ch	hip C	GRP 100B LIE4/ZNDUTE	1
CZ1/ CC3535 CnipC GRE155611F102RAUTE CZ1/ CC3155 Cn		GRP155B11H102KA01E	
		TMK107BJ105KA-T	
		GRP155B11H102KA01E	
		TMCMA0J476MTRF	
		GRP155B11A104KA01E	
		10CE150BSS	
		GRP155B11A104KA01E	
		GRP155B11C223KD01E	-
		GRP155B11C223KD01E	
		GRP155B11H102KA01E	
		GRP155B11H102KA01E	
		GRP155B11A104KA01E	
		GRM155B30J105KE18D	
		TMCMA0J226MTRF	
		TMCP1C105MTR	—
		GRP155B11H102KA01E	<u> </u>
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		GRM155B30J105KE18D	<u> </u>
		GRP155B11A104KA01E	
		GRP155B11H102KA01E	
		GRP155B11A104KA01E	
		GRP155B11A473KA01E	
		GRP155B11H102KA01E	
	hip C	GRP155B11H102KA01E	
C240 NC C300 NC			
C241 CU3554 Chip C GRP155B11A104KA01E C301 NC			
		GRP155B11H102KA01E	
		GRP155B11C223KD01E	
		GRP155B11A333KA01E	
		GRP155B11A104KA01E	
		GRP155B11H102KA01E	
		TMCMA0J476MTRF	
		GRP155B11H102KA01E	
		F931A106MAA	
		GRP155B11H102KA01E	
	_	GRP155B11C103KA01E	
		GRP155B11C103KA01E	
	_	GRP155B11H102KA01E	
		GRP155B11H102KA01E	
		GRP155B11H102KA01E	
	_	GRP155B11H102KA01E	
		GRP155B11A104KA01E	
		TMCMA0J476MTRF	
		GRP155B11A104KA01E	
		GRP155B11C103KA01E	
		GRP155B11C103KA01E	
		GRP155B11H102KA01E	
		16CE47BSS	
C267 CU3527 Chip C GRP1552C1E221JD01E C327 CU3133 Ch	hip C	TMK107BJ105KA-T	
C268 CU3535 Chip C GRP155B11H102KA01E C328 CU3535 Ch	hip C	GRP155B11H102KA01E	
C269 CU3547 Chip C GRP155B11C103KA01E C331 CU3535 Ch	hip C	GRP155B11H102KA01E	
C270 CU3535 Chip C GRP155B11H102KA01E C332 CU3554 Ch	hip C	GRP155B11A104KA01E	
C271 CU3535 Chip C GRP155B11H102KA01E C334 NC			
C272 CU3559 Chip C GRM155B30J105KE18D C336 CS0396 Ch	hip Tantalum	TMCP1D104MTR	
C273 CU3513 Chip C GRP1552C1H150JZ01E C347 CU3535 Ch	hip C	GRP155B11H102KA01E	

D. f	I		I		D. C	ı	ı	I	51.D0-V 17
Ref.	Parts No.	Description	Parts Name	Version	Ref.	Parts No.	Description	Parts Name	Version
No.	0110507	Oh:- O	ODD455004110D0D7045	-	No.	VA0040	10	N. IMAGOZOMA T.4	
C348	CU3507	Chip C	GRP1552C1H6R0DZ01E		IC106	XA0210	IC	NJM2070M T1	
C349 C350	CU3559 CU3559	Chip C Chip C	GRM155B30J105KE18D	\vdash	IC107 IC108	XA1118 XA1106	IC IC	M62429FP/CF0J	
			GRM155B30J105KE18D	-	IC108		CPU	LM2902PWR	
C351 C352	CU3133 CU3535	Chip C Chip C	TMK107BJ105KA-T		IC109	XA1121 XA1119	IC	M38268MCA-076GP#UO	
		<u> </u>	GRP155B11H102KA01E	\vdash				XC6202P502MR	
C353 C354	CU3535 CU3535	Chip C Chip C	GRP155B11H102KA01E		JK101	UJ0060 UJ0061	Jack Jack	HSJ1594-010150 LD-0208-1.3	
C355	CS0398	<u> </u>	GRP155B11H102KA01E TMCP0J225MTR		JK102 L101	QS401556	Coil	0.40-1.55-6TL	
C356	CU3547	Chip Tantalum Chip C	GRP155B11C103KA01E	-	L101	QS402006	Coil	0.40-2.0-6TL	
C357	NC	Chip C	GREISSBITCIOSRAUTE	-	L102	QS402006	Coil	0.40-2.0-6TL	
C358	NC				L103	QS401405	Coil	0.40-1.4-5TL	
C360	CU3535	Chip C	GRP155B11H102KA01E		L105	QS501403	Coil	0.50-1.4-3TL	
C362	CU3535	Chip C	GRP155B11H102KA01E		L106	QC0757	Chip Inductor	C1608CB22NJ	
C363	CU3535	Chip C	GRP155B11H102KA01E		L107	QC0809	Chip Inductor	MLG1005S56NJT	
C370	CU3035	Chip C	C1608JB1H102KT-AS		L107	QS30200D	Coil	0.30-2.0-13TL	
CN101	NC	Criip C	C 10003D 1H 102K1-A3		L109	QC0810	Chip Inductor	MLG1005S68NJT	
CN102	NC			\vdash	L110	QC0765	Chip Inductor	C1608CBR10J	
CN102	UE0506	Connector	AXK520135P		L111	QC0808	Chip Inductor	MLG1005S47NJT	
D101	XD0422	Diode	HSC277TRF-E	\vdash	L112	QC0773	Chip Inductor	C1608CBR47J	
D101	XD0422 XD0419	Diode	1SS400TE61	$\vdash \vdash \vdash$	L112	QS402057	Coil	0.40-2.05-7TL	
D102	XD0419 XD0422	Diode	HSC277TRF-E		L114	QB0057	Chip Inductor	MPZ1608S101AT	
D103	XD0422 XD0417	Diode	HVC202BTRU-E		L114	QB0057 QB0057		MPZ1608S101AT	
D104	XD0417 XD0251	Diode	MA741WA-(TX)	-	L116	QC0812	Chip Inductor Chip Inductor	MLG1005SR10JT	
D105	NC	Diode	IVIA/4 IVVA-(IX)		L117	QC0818		C2012H82NH	
D100		Diodo	16//222/TDU2 U\	-			Chip Inductor		
D107	XD0421 XD0422	Diode	1SV323(TPH3,H)		L118	QB0057 QC0816	Chip Inductor	MPZ1608S101AT	
D108	XD0422 XD0421	Diode	HSC277TRF-E		L120		Chip Inductor	MLG1005SR22JT	
		Diode	1SV323(TPH3,H)	\vdash	L121	QC0812 NC	Chip Inductor	MLG1005SR10JT	
D110 D111	NC NC			-	L122 L123	NC NC			
D112	XD0423	Diode	HVC132TRF-E	-	L123	QC0773	Chip Inductor	C1608CBR47J	
D112	XD0423 XD0422	Diode	+		L124	QC0764	Chip Inductor	C1608CB82NJ	
D114	XD0422	Diode	HSC277TRF-E HSC277TRF-E	-	L126	QC0763	Chip Inductor	C1608CB68NJ	
D115	XD0422 XD0421	Diode	1SV323(TPH3,H)		L127	QC0703	Chip Inductor	C1608CBR47J	
D116	XD0421	Diode	1SV323(TPH3,H)		L128	QC0764	Chip Inductor	C1608CB82NJ	
D117	XD0421	Diode	1SV323(TPH3,H)	\vdash	L129	QC0763	Chip Inductor	C1608CB68NJ	
D118	XD0421	Diode	1SV323(TPH3,H)	-	L130	QC0820	Chip Inductor	LB2518T151K	
D119	XL0097	Chip LED	SML-521MUWT86		L131	QC0842	Chip Inductor	LB2518T221K	
D120	XD0338	Diode	1SS362(TE85L)	-	LCD101		LCD	LCD DJ170	
D121	XD0419	Diode	1SS400TE61	\vdash	MIC101		Microphone	OB-27P44	
D122	XD0413 XD0424	Diode	S3JB-T		Q101	XT0210	Transistor	2SC6026MFV-GR	
D123	XD0420	Diode	FA3J3STP		Q102	XE0071	FET	2SK3476(TE12L,Q)	
D123	XD0420 XD0338	Diode	1SS362(TE85L)	\vdash	Q102	XE0071	FET	2SK3475(TE12L,F)	
D125	XD0420	Diode	FA3J3STP	\vdash	Q104	XT0180	Transistor	2SC5066FT-Y (TE85L)	
D126	XL0036	Chip LED	SML-310MTT86		Q105	NC	TUINIGIO		
D127	XL0036	Chip LED	SML-310MTT86	\vdash	Q106	XT0213	Transistor	2SC5659T2L	
D128	XL0036	Chip LED	SML-310MTT86	\vdash	Q107	XT0213	Transistor	2SC5659T2L	
D129	XL0036	Chip LED	SML-310MTT86	\vdash	Q108	XT0213	Transistor	2SC5066FT-Y (TE85L)	
D130	XD0416	Diode	1SS423(TE85L,F)	\vdash	Q109	NC	Tundiator		
D130	XL0036	Chip LED	SML-310MTT86	\vdash	Q110	XT0180	Transistor	2SC5066FT-Y (TE85L)	
D131	XL0036	Chip LED	SML-310MTT86	\vdash	Q111	XT0100 XT0214	Transistor	HN2C01FE-GR(T5L,F)	
D132	XD0418	Diode	RB521S-30TE61	\vdash	Q112	XU0214 XU0210	Transistor	RN1107MFV(TPL3)	
D134	XD0418	Diode	RB521S-30TE61	\vdash	Q112	XT0219	Transistor	15GN03F-TL-E	
FL101	XF0041	MCF	UM5 21.7M 21R15A5	\vdash	Q114	XE0053	FET	3SK293 TE85L	
FL101	XF0041 XF0041	MCF	UM5 21.7M 21R15A5	\vdash	Q115	NC	, <u>- </u>	DOINESS FESSE	
FL102	XC0060	Filter	ALFYM450F=K	$\vdash \vdash \vdash$	Q116	XE0053	FET	3SK293 TE85L	
IC101	XA1107	IC	MB15E07SR	\vdash	Q117	XU0210	Transistor	RN1107MFV(TPL3)	
IC101	XA1107 XA1106	IC	LM2902PWR	$\vdash \vdash \vdash$	Q118	XT0219	Transistor	15GN03F-TL-E	
IC102	XA0404	IC	TA31136FN(EL)	\vdash	Q119	XT0219 XT0213	Transistor	2SC5659T2L	
IC103	XA0404 XA1120	IC	S80845CLNB-B66-T2G	$\vdash \vdash \vdash$	Q120	XT0213 XT0210	Transistor	2SC6026MFV-GR	
IC104	XA1120 XA1117	IC	S24CS64A01-J8T1G	\vdash		XU0210		RN2115MFV(TPL3)	
100	MIII/	Iιο	0240004AU1-J617G		Q121	AUU212	Transistor	ININE I IOMEV (IPL3)	

D-6	1		<u> </u>	1	l In-t	I		···	CI.DU-V 17
Ref.	Parts No.	Description	Parts Name	Version	Ref.	Parts No.	Description	Parts Name	Version
No. Q122	XU0210	Transistor	RN1107MFV(TPL3)	1	No. R132	RK3531	Chip R	ERJ2GEJ271X	
Q123	NC	Transistor	KINT IO/IVIEV(TELS)		R133	RK3550	Chip R	ERJ2GEJ103X	
Q124	XU0220	Transistor	RN2111MFV(TLP3)		R134	RK3551	Chip R	ERJ2GEJ123X	
Q125	XU0220	Transistor	RN1107MFV(TPL3)		R135	RK3551	Chip R	ERJ2GEJ123X	
Q126	XU0210	Transistor	RN1107MFV(TPL3)		R136	RK3538	Chip R	ERJ2GEJ102X	
Q127	XU0220	Transistor	RN2111MFV(TLP3)		R137	RK3551	Chip R	ERJ2GEJ123X	
Q128	XT0210	Transistor	2SC6026MFV-GR		R138	RK3562	Chip R	ERJ2GEJ104X	
Q129	XT0210	Transistor	2SC6026MFV-GR		R139	RK3550	Chip R	ERJ2GEJ103X	
Q130	XT0170	Transistor	2SB766A-(TX)R		R140	NC	Chip K	ENJZGEJ 103X	
Q131	XT0210	Transistor	2SC6026MFV-GR		R141	RK3557	Chip R	ERJ2GEJ393X	
Q132	XT0170	Transistor	2SB766A-(TX)R		R142	NC	Chip IX	LINDZOLDODOX	
Q133	XE0069	FET	SSM3K15FV(TPL3,Z)		R143	RK3546	Chip R	ERJ2GEJ472X	
Q134	XU0210	Transistor	RN1107MFV(TPL3)		R144	NC	Onip IX	LINEOLUTI ZX	
Q135	XT0214	Transistor	HN2C01FE-GR(T5L,F)		R145	RK3550	Chip R	ERJ2GEJ103X	
Q136	XT0170	Transistor	2SB766A-(TX)R		R146	RK3537	Chip R	ERJ2GEJ821X	
Q137	XT0212	Transistor	2SA1955FV-A(TPL3)		R147	RK3526	Chip R	ERJ2GEJ101X	
Q138	XT0212	Transistor	2SA1955FV-A(TPL3)		R148	RK3542	Chip R	ERJ2GEJ222X	
Q139	XT0212	Transistor	HN2C01FE-GR(T5L,F)		R149	NC	Onip ix	LNUZGLUZZZX	
Q140	XT0214 XT0212	Transistor	2SA1955FV-A(TPL3)		R150	RK3550	Chip R	ERJ2GEJ103X	
Q141	XT0212	Transistor	2SC6026MFV-GR		R151	RK3550	Chip R	ERJ2GEJ103X	
Q142	XU0210	Transistor	RN1111MFV(TPL3),F		R152	RK3547	Chip R	ERJ2GEJ562X	
Q142	XU0213	Transistor	RN1111MFV(TPL3),F		R154	RK3570	Chip R	ERJ2GEJ474X	
Q144	XU0210	Transistor	RN1107MFV(TPL3),		R155	RK3542	Chip R	ERJ2GEJ222X	
Q145	XU0210	Transistor	RN2107MFV(TPL3)		R156	RK3538	Chip R	ERJ2GEJ102X	
Q146	XU0211	Transistor	RN1111MFV(TPL3),F		R157	RK3550	Chip R	ERJ2GEJ103X	
Q147	XE0069	FET			R159	RK3539	Chip R	ERJ2GEJ122X	
Q148	XE0069	FET	SSM3K15FV(TPL3,Z)		R161	RK3538		ERJ2GEJ102X	
Q149	XT0210		SSM3K15FV(TPL3,Z) 2SC6026MFV-GR	-	R162	RK3564	Chip R Chip R	ERJ2GEJ154X	
Q152	XU0210	Transistor Transistor	RN2107MFV(TPL3)		R163	RK3522	Chip R	ERJ2GEJ470X	
Q153	XU0211	Transistor	RN2107MFV(TPL3)		R164	RK3550	Chip R	ERJ2GEJ103X	
R101	RK3534	Chip R	ERJ2GEJ471X		R165	RK3544	Chip R	ERJ2GEJ332X	
R102	RK3545	Chip R	ERJ2GEJ392X		R166	RK3530	Chip R	ERJ2GEJ221X	
R103	RK3545	Chip R	ERJ2GE0R00X		R167	RK3542	Chip R	ERJ2GEJ221X	
R104	RK3501	Chip R	ERJ2GE0R00X	-	R168	RK3542	Chip R	ERJ2GEJ101X	
R105	RK3556	Chip R	ERJ2GEJ333X		R169	RK3550	Chip R	ERJ2GEJ103X	
R106	RK3574	Chip R	ERJ2GEJ105X		R170	RK3530	Chip R	ERJ2GEJ221X	
R107	RK3526	Chip R	ERJ2GEJ101X		R171	RK3526	Chip R	ERJ2GEJ101X	
R108	RK3534	Chip R	ERJ2GEJ471X		R172	NC	Chip IX	LINEGESTOTA	
R109	RK3030	Chip R	MCR03EZHJ221		R173	NC			
R111	RK3542	Chip R	ERJ2GEJ222X		R174	RK3530	Chip R	ERJ2GEJ221X	
R112	RK3556	Chip R	ERJ2GEJ333X		R175	RK3550	Chip R	ERJ2GEJ103X	
R113	RK3548	Chip R	ERJ2GEJ682X	 	R176	RK3570	Chip R	ERJ2GEJ474X	
R114	RK3574	Chip R	ERJ2GEJ105X		R177	RK3570	Chip R	ERJ2GEJ103X	
R115	RK3550	Chip R	ERJ2GEJ103X		R178	RK3550	Chip R	ERJ2GEJ103X	
R116	RK3022	Chip R	MCR03EZHJ470	 	R179	RK3538	Chip R	ERJ2GEJ103X	
R117	RK3530	Chip R	ERJ2GEJ221X	 	R180	NC	John K	LINEGEDIUZA	
R118	RK3536	Chip R	ERJ2GEJ101X		R181	RK3550	Chip R	ERJ2GEJ103X	
R119	RK3526	Chip R	ERJ2GEJ101X		R182	RK3566	Chip R	ERJ2GEJ224X	
R120	RK3550	Chip R	ERJ2GEJ224X ERJ2GEJ103X	 	R183	NC	Joint K	LINEGLUZZAV	
R121	RK3538	Chip R	ERJ2GEJ103X		R184	NC	 		
R122	NC	Joinip IX	LINEOLUTOZA	 	R185	RK3562	Chip R	ERJ2GEJ104X	
R123	RK3522	Chip R	ERJ2GEJ470X	 	R186	RK3550	Chip R	ERJ2GEJ104X	
R124	NC	JOHIP K	LINIZGEJ47UA		R187	RK3526	Chip R	ERJ2GEJ103X ERJ2GEJ101X	
R124	NC	 	+	 	R188	RK3526	Chip R	ERJ2GEJ101X	
R125	RK3562	Chip R	ERJ2GEJ104X		R189	RK3538			
		 				NC	Chip R	ERJ2GEJ122X	
R127	RK3565	Chip R	ERJ2GEJ184X	-	R190		Chin B	ED INCE 1400V	
R128	RK3550	Chip R	ERJ2GEJ103X	-	R191	RK3550	Chip R	ERJ2GEJ103X	
R129	RK3574	Chip R	ERJ2GEJ105X	-	R192 R193	RK3558	Chip R	ERJ2GEJ473X	
R130	RK3538	Chip R	ERJ2GEJ102X	-	_	RK3562	Chip R	ERJ2GEJ104X	
R131	RK3552	Chip R	ERJ2GEJ153X		R194	RK3522	Chip R	ERJ2GEJ470X	

No. No.	Ref.	Parts No.	Description	Parts Name	Version	Ref.	Parts No.	Description	Parts Name	Version
R1996 RK35596 Chip R		RK3558	Chin R	FR.12GE.1473Y			RK357/	Chin R	FR.12GE.1105Y	
R1957 R13574 Chip R										
R189B RK35574 Chip R ERJGGE/10SX R281 RK35774 Chip R ERJGGE/10SX R200 RK3580 Chip R ERJGGE/16SX R282 RK3582 Chip R ERJZGE/16KX R201 RK3580 Chip R ERJZGE/16KX R283 RK3586 Chip R ERJZGE/16KX R202 RK3580 Chip R ERJZGE/16KX R284 RK3585 Chip R ERJZGE/16KX R202 RK3580 Chip R ERJZGE/16KX R286 RK3586 Chip R ERJZGE/16KX R203 RK3574 Chip R ERJZGE/10SX R286 RK3518 Chip R ERJZGE/10SX R203 RK3574 Chip R ERJZGE/10SX R286 RK3536 Chip R ERJZGE/10SX R205 RK3574 Chip R ERJZGE/10SX R279 RK3586 Chip R ERJZGE/10SX R206 RK3574 Chip R ERJZGE/10SX R279 RK3586 Chip R ERJZGE/10SX R206 RK3586 Chip R <			-							
R1996 RN35552										
RICO RICO RICO REPLICELIBRIAN RE20 RICO RICO			 							
R2012 R35522				ļ						
R2022 RN3539B Chip R ERL/2GE/J122X R266 RN5358 Chip R ERL/2GE/J22XX R204 RN3566 Chip R ERL/2GE/J22XX R268 RR53518 Chip R ERL/2GE/J22XX R206 RN3574 Chip R ERL/2GE/J2XX R269 RR5358 Chip R ERL/2GE/J3XX R206 RN3569 Chip R ERL/2GE/J3XX R277 RN3560 Chip R ERL/2GE/J3XX R209 NC L R707 RN3560 Chip R ERL/2GE/J3XX R272 RN3560 Chip R ERL/2GE/J3XX R209 NC L R707 RN3560 Chip R ERL/2GE/J3XX R273 RN3560 Chip R ERL/2GE/J3XX R210 RN3565 Chip R ERL/2GE/J1XX R274 RN3560 Chip R ERL/2GE/J3XX R211 RN3560 Chip R ERL/2GE/J1XX R275 RN3560 Chip R ERL/2GE/J3XX R211 RN3560 Chip R ERL/2GE/J3XX R276 RN3560				<u> </u>						
R203 RR3568 Chip R ERIZGEIJ254X R264 RK3574 Chip R ERIZGEIJ0SX R267 NC R204 RK3574 Chip R ERIZGEIJ0SX R267 NC Chip R ERIZGEIJ0SX R268 RX3532 Chip R ERIZGEIJ331X R206 RK3566 Chip R ERIZGEIJ333X R270 RX3566 Chip R ERIZGEIJ333X R272 RX3566 Chip R ERIZGEIJ333X R272 RX3566 Chip R ERIZGEIJ33X R272 RX3566 Chip R ERIZGEIJ33X R272 RX3566 Chip R ERIZGEIJ32X R273 RX3566 Chip R ERIZGEIJ32X R273 RX3566 Chip R ERIZGEIJ32X R273 RX3566 Chip R ERIZGEIJ224X R274 RX3566 Chip R ERIZGEIJ32X R274 RX3566 Chip R ERIZGEIJ32X R275 RX3566 Chip R										
R205										
R205			 					Criip K	ERUZGEUZZUX	
R205			 					Chin P	ED 12GE 1334V	
R2075 RK3556			 	 						
R208 RC RC				 			-		 	
R209 RK3526			Chip K	ERUZGEUUUUA						
R210			Chin B	ED ISCE HOLV				_		
R211										
R212 RK3550 Chip R										
R213			} `	 				}	 	
R214 RK3564 Chip R										
R215 RK35561 Chip R ERJ2GEJ823X R280 RK3556 Chip R ERJ2GEJ333X R216 RK3558 Chip R ERJ2GEJ102X R281 RK3558 Chip R ERJ2GEJ100X R219 RK3564 Chip R ERJ2GEJ154X R282 RK3514 Chip R ERJ2GEJ233X R220 RK3564 Chip R ERJ2GEJ333X R284 RK3561 Chip R ERJ2GEJ8233X R221 RK3568 Chip R ERJ2GEJ882X R285 RK3561 Chip R ERJ2GEJ823X R2221 RK3568 Chip R ERJ2GEJ882X R285 RK3550 Chip R ERJ2GEJ103X R286 RK3570 Chip R ERJ2GEJ103X R2224 RK3550 Chip R ERJ2GEJ103X R288 RK			 							
R216 RK3538 Chip R ERJ2GEJ102X R281 RK3017 Chip R ERJ2GEJ100X R219 RK3558 Chip R ERJ2GEJ154X R282 RK3514 Chip R ERJ2GEJ100X R220 RK3556 Chip R ERJ2GEJ333X R284 RK3561 Chip R ERJ2GEJ223X R221 RK3556 Chip R ERJ2GEJ333X R284 RK3561 Chip R ERJ2GEJ00X R221 RK3558 Chip R ERJ2GEJ103X R285 RK3550 Chip R ERJ2GEJ103X R286 RK3570 Chip R ERJ2GEJ103X R222 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ223X R289 RK3550 Chip R ERJ2GEJ23X R289 RK3056 Chip R ERJ2GEJ103X R289 RK3065 Chip R ERJ2GEJ103X R289 RK3550 Chip R ERJ2GEJ103X R289 RK3065 Chip R ERJ2GEJ103X R290 RK3017 Chip R ERJ2GEJ104X R290 RK3550 Chi			-							
R218 RK3558 Chip R ERJ2GEJ473X R282 RK3554 Chip R ERJ2GEJ16XX R283 RK3554 Chip R ERJ2GEJ16XX R283 RK3554 Chip R ERJ2GEJ23XX R284 RK3561 Chip R ERJ2GEJ23XX R284 RK3561 Chip R ERJ2GEJ03XX R284 RK3561 Chip R ERJ2GEJ103X R285 RK3550 Chip R ERJ2GEJ103X R286 RK3550 Chip R ERJ2GEJ103X R286 RK3550 Chip R ERJ2GEJ103X R286 RK3550 Chip R ERJ2GEJ103X R287 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R289 RK3550 Chip R ERJ2GEJ103X R281 RX8551 Chip R ERJ2GEJ103X R281 RX8350 <			 	ļ						
R219 RK3564 Chip R ERJ2GEJ154X R283 RK3554 Chip R ERJ2GEJ23X R220 RK3556 Chip R ERJ2GEJ333X R284 RK3550 Chip R ERJ2GEJ82X R222 RK3558 Chip R ERJ2GEJ82X R285 RK3550 Chip R ERJ2GEJ103X R222 RK3550 Chip R ERJ2GEJ103X R286 RK3570 Chip R ERJ2GEJ103X R224 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R225 RK3554 Chip R ERJ2GEJ23X R289 RK3550 Chip R ERJ2GEJ103X R226 RK3554 Chip R ERJ2GEJ223X R289 RK3551 Chip R ERJ2GEJ103X R227 RK3555 Chip R ERJ2GEJ323X R290 RK3017 Chip R ERJ2GEJ140X R228 RK3550 Chip R ERJ2GEJ30XX R291 RK3551 Chip R ERJ2GEJ34X R229 RK3550 Chip R ERJ2G										
R220 RK3556 Chip R ERJ2GEJ333X R284 RK3561 Chip R ERJ2GEJ682X R285 RK3550 Chip R ERJ2GEJ103X R285 RK3550 Chip R ERJ2GEJ103X R286 RK3550 Chip R ERJ2GEJ103X R287 RK3550 Chip R ERJ2GEJ103X R287 RK3550 Chip R ERJ2GEJ103X R287 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R289 RK3550 Chip R ERJ2GEJ103X R289 RK3550 Chip R ERJ2GEJ103X R290 RK3550 Chip R ERJ2GEJ103X R291 RK3551 Chip R ERJ2GEJ13X R291 RK3550 Chip R ERJ2GEJ103X R292 RK3550 <t< td=""><td></td><td></td><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			 							
R221 RX3548 Chip R ERJ2GEJ682X R228 RX3550 Chip R ERJ2GEJ473X R288 RX3570 Chip R ERJ2GEJ103X R222 RX3550 Chip R ERJ2GEJ103X R286 RX3570 Chip R ERJ2GEJ103X R224 RX3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R225 RX3551 Chip R ERJ2GEJ223X R289 RK3565 Chip R ERJ2GEJ184X R226 RX3554 Chip R ERJ2GEJ223X R289 RK3565 Chip R ERJ2GEJ103X R227 RX3559 Chip R ERJ2GEJ103X R291 RK3551 Chip R ERJ2GEJ103X R229 RX3550 Chip R ERJ2GEJ103X R292 RK3550 Chip R ERJ2GEJ33X R229 RX3550 Chip R ERJ2GEJ103X R293 RK3552 Chip R ERJ2GEJ33X R229 RX3550 Chip R ERJ2GEJ104X R294 RK3550 Chip R ERJ2GEJ04X <			 							
R222 RK3558 Chip R ERJ2GEJ473X R286 RK3550 Chip R ERJ2GEJ103X R287 RK3550 Chip R ERJ2GEJ103X R287 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ23X R288 RK3550 Chip R ERJ2GEJ23X R289 RK3550 Chip R ERJ2GEJ23X R290 RK3017 Chip R ERJ2GEJ183X R290 RK3017 Chip R ERJ2GEJ103X R291 RK3551 Chip R ERJ2GEJ103X R291 RK3550 Chip R ERJ2GEJ103X R292 RK3560 Chip R ERJ2GEJ103X R293 RK3560 Chip R ERJ2GEJ103X R293 RK3560 Chip R ERJ2GEJ103X R293 RK3562 Chip R ERJ2GEJ104X R294 RK3562 Chip R ERJ2GEJ104X R294 RK3563 Chip R ERJ2GEJ104X R295 RK3533 Chip R ERJ2GEJ104X R296 RK3563 Chip R ERJ2GEJ103X R296 RK3563				 				 		
R223 RK3550 Chip R ERJ2GEJ103X R284 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ23X R289 RK3556 Chip R ERJ2GEJ184X R289 RK3565 Chip R ERJ2GEJ184X R289 RK3565 Chip R ERJ2GEJ184X R289 RK3565 Chip R ERJ2GEJ184X R290 RK3550 Chip R ERJ2GEJ103X R290 RK3551 Chip R ERJ2GEJ103X R291 RK3555 Chip R ERJ2GEJ103X R292 RK3560 Chip R ERJ2GEJ103X R291 RK3562 Chip R ERJ2GEJ103X R293 RK3562 Chip R ERJ2GEJ103X R294 RK3562 Chip R ERJ2GEJ104X R294 RK3532 Chip R ERJ2GEJ104X R294 RK3533 Chip R ERJ2GEJ104X R295 RK3533 Chip R ERJ2GEJ104X R295 RK3533 Chip R ERJ2GEJ104X R296 RK3563 Chip R ERJ2GEJ104X R296 RK3563 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
R224 RK3550 Chip R ERJ2GEJ103X R288 RK3550 Chip R ERJ2GEJ103X R285 RK3554 Chip R ERJ2GEJ223X R289 RK3565 Chip R ERJ2GEJ184X R290 RK3017 Chip R ERJ2GEJ184X R290 RK3017 Chip R ERJ2GEJ183X R291 RK3559 Chip R ERJ2GEJ103X R291 RK3551 Chip R ERJ2GEJ133X R292 RK3550 Chip R ERJ2GEJ103X R292 RK3559 Chip R ERJ2GEJ103X R292 RK3550 Chip R ERJ2GEJ103X R292 RK3550 Chip R ERJ2GEJ103X R292 RK3550 Chip R ERJ2GEJ104X R293 RK3552 Chip R ERJ2GEJ104X R294 RK3550 Chip R ERJ2GEJ102X R294 RK3553 Chip R ERJ2GEJ102X R294 RK3553 Chip R ERJ2GEJ102X R296 RK3533 Chip R ERJ2GEJ102X R296 RK3533 Chip R ERJ2GEJ102X R296 RK3550 Chip R ERJ2GEJ103X R297 RK3546 <										
R225 RK3554 Chip R ERJ2GEJ223X R289 RK3565 Chip R ERJ2GEJ184X R226 RK3554 Chip R ERJ2GEJ263X R290 RK3017 Chip R MCR03EZHJ180 R227 RK3559 Chip R ERJ2GEJ163X R291 RK3551 Chip R ERJ2GEJ13X R228 RK3550 Chip R ERJ2GEJ103X R292 RK3569 Chip R ERJ2GEJ334X R230 RK3562 Chip R ERJ2GEJ104X R293 RK3562 Chip R ERJ2GEJ102X R231 RK3568 Chip R ERJ2GEJ102X R296 RK3538 Chip R ERJ2GEJ102X R232 RK3568 Chip R ERJ2GEJ103X R296 RK3538 Chip R ERJ2GEJ102X R232 RK3560 Chip R ERJ2GEJ104X R298 RK3560 Chip R ERJ2GEJ103X R235 RK3562 Chip R ERJ2GEJ104X R298 RK3560 Chip R ERJ2GEJ103X R236 RK3562 Chip R										
R226 RK3554 Chip R ERJ2GEJ223X R290 RK3017 Chip R MCR03EZHJ180 R227 RK3559 Chip R ERJ2GEJ563X R291 RK3551 Chip R ERJ2GEJ133X R228 RK3550 Chip R ERJ2GEJ103X R292 RK3569 Chip R ERJ2GEJ331X R230 RK3562 Chip R ERJ2GEJ104X R294 RK3562 Chip R ERJ2GEJ104X R231 RK3568 Chip R ERJ2GEJ102X R295 RK3538 Chip R ERJ2GEJ102X R232 RK3568 Chip R ERJ2GEJ334X R296 RK3530 Chip R ERJ2GEJ102X R232 RK3560 Chip R ERJ2GEJ103X R297 RK3546 Chip R ERJ2GEJ103X R235 RK3562 Chip R ERJ2GEJ104X R298 RK3550 Chip R ERJ2GEJ103X R236 RK3562 Chip R ERJ2GEJ104X R298 RK3550 Chip R ERJ2GEJ103X R237 RK3550 Chip R <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
R227 RK3559 Chip R ERJ2GEJ563X R228 RK3550 Chip R ERJ2GEJ103X R229 RK3550 Chip R ERJ2GEJ103X R292 RK3569 Chip R ERJ2GEJ394X R292 RK3560 Chip R ERJ2GEJ394X R293 RK3552 Chip R ERJ2GEJ104X R293 RK3562 Chip R ERJ2GEJ104X R294 RK3562 Chip R ERJ2GEJ102X R294 RK3558 Chip R ERJ2GEJ102X R295 RK3538 Chip R ERJ2GEJ102X R296 RK3530 Chip R ERJ2GEJ102X R297 RK3560 Chip R ERJ2GEJ103X R297 RK3550 Chip R ERJ2GEJ103X R297 RK3550 Chip R ERJ2GEJ103X R298 RK3550 <			 					 		
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R250 RK3550 Chip R ERJ2GEJ103X R313 RK3550 Chip R ERJ2GEJ103X R251 RK3562 Chip R ERJ2GEJ104X R314 RK3554 Chip R ERJ2GEJ223X R252 RK3561 Chip R ERJ2GEJ223X R315 RK3542 Chip R ERJ2GEJ222X R253 RK3566 Chip R ERJ2GEJ224X R316 RK3550 Chip R ERJ2GEJ103X	R248	RK3538	Chip R	ERJ2GEJ102X		R311	RK3550	Chip R	ERJ2GEJ103X	
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R251 RK3562 Chip R ERJ2GEJ104X R314 RK3554 Chip R ERJ2GEJ223X R252 RK3561 Chip R ERJ2GEJ823X R315 RK3542 Chip R ERJ2GEJ222X R253 RK3566 Chip R ERJ2GEJ224X R316 RK3550 Chip R ERJ2GEJ103X	R250	RK3550		ERJ2GEJ103X		R313	RK3550		ERJ2GEJ103X	
R252 RK3561 Chip R ERJ2GEJ823X R315 RK3542 Chip R ERJ2GEJ222X R253 RK3566 Chip R ERJ2GEJ224X R316 RK3550 Chip R ERJ2GEJ103X	R251			ERJ2GEJ104X		R314			ERJ2GEJ223X	
R253 RK3566 Chip R ERJ2GEJ224X R316 RK3550 Chip R ERJ2GEJ103X	R252			ERJ2GEJ823X		R315		Chip R	ERJ2GEJ222X	
	R253	RK3566	Chip R	ERJ2GEJ224X		R316			ERJ2GEJ103X	
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R255 RK3562 Chip R ERJ2GEJ104X R318 RK3550 Chip R ERJ2GEJ103X			 							
R256 RK3562 Chip R ERJ2GEJ104X R319 RK3554 Chip R ERJ2GEJ223X	R256		_							
R257 RK3538 Chip R ERJ2GEJ102X R320 RK3574 Chip R ERJ2GEJ105X										

Ref. No.	Parts No.	Description	Parts Name	Version
R321	RK3550	Chip R	ERJ2GEJ103X	
R322	RK3568	Chip R	ERJ2GEJ334X	
R323	RK3550	Chip R	ERJ2GEJ103X	
R324	RK3548	Chip R	ERJ2GEJ682X	
R325	RK3559	Chip R	ERJ2GEJ563X	
R326	RK3559	Chip R	ERJ2GEJ563X	
R327	RK3550	Chip R	ERJ2GEJ103X	
R328	RK3550	Chip R	ERJ2GEJ103X	
R330	RK3546	Chip R	ERJ2GEJ472X	
R331	RK3546	Chip R	+	
			ERJ2GEJ472X	
R332	RK3546	Chip R	ERJ2GEJ472X	
R333	RK3546	Chip R	ERJ2GEJ472X	
R334	RK3562	Chip R	ERJ2GEJ104X	
R335	RK3562	Chip R	ERJ2GEJ104X	
R336	RK3562	Chip R	ERJ2GEJ104X	
R337	RK3550	Chip R	ERJ2GEJ103X	
R338	RK3542	Chip R	ERJ2GEJ222X	
R339	RK3550	Chip R	ERJ2GEJ103X	
R340	RK3550	Chip R	ERJ2GEJ103X	
R341	RK3550	Chip R	ERJ2GEJ103X	
R342	RK3538	Chip R	ERJ2GEJ102X	
R343	RK3550	Chip R	ERJ2GEJ103X	
R344	RK3537	Chip R	ERJ2GEJ821X	
R345	RK3558	Chip R	ERJ2GEJ473X	
R346	RK3537	Chip R	ERJ2GEJ821X	
R347	NC	Chip IX	LINGZOLGOZIA	
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R348	RK3552	Chip R	ERJ2GEJ153X	
R349	NC	ļ		
R350	RK3562	Chip R	ERJ2GEJ104X	
R351	RK3550	Chip R	ERJ2GEJ103X	
R352	NC			
R353	RK3546	Chip R	ERJ2GEJ472X	
R354	RK3550	Chip R	ERJ2GEJ103X	
R355	RK3550	Chip R	ERJ2GEJ103X	
R357	RK3501	Chip R	ERJ2GE0R00X	
R358	NC	1		
R359	NC			
R360	NC			
R361	NC	 		
R362	RK3536	Chip R	ERJ2GEJ681X	
R363	RK3558	Chip R	ERJ2GEJ473X	
	+	Chip R		
R364	RK1018		ERJ8GEYJ101V	
R365	RK3546	Chip R	ERJ2GEJ472X	
R366	RK3566	Chip R	ERJ2GEJ224X	
R367	RK3558	Chip R	ERJ2GEJ473X	
R368	RK3548	Chip R	ERJ2GEJ682X	
R369	RK3538	Chip R	ERJ2GEJ102X	
R370	RK3501	Chip R	ERJ2GE0R00X	
R371	RK3546	Chip R	ERJ2GEJ472X	
R372	RK3550	Chip R	ERJ2GEJ103X	
R373	RK3546	Chip R	ERJ2GEJ472X	
R374	RK3562	Chip R	ERJ2GEJ104X	
R375	RK3550	Chip R	ERJ2GEJ103X	
	RK3562	Chip R	ERJ2GEJ104X	
R376	_	Chip R	ERJ2GEJ104X	
	IRK3562	Louib IV	L1020L0107A	_
R377	RK3562	Chin P	EB 13GE 1334Y	
R376 R377 R378	RK3566	Chip R	ERJ2GEJ224X	
R377 R378 R379	RK3566 RK3562	Chip R	ERJ2GEJ104X	
R377	RK3566	-		

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No.	Parts No.	Description	Parts Name	Version
R384	NC			
R385	NC NC			Т
R385	RK3038	Chin D	MCD02F7H M02	· .
		Chip R	MCR03EZHJ102	TFH, R
R385	RK3064	Chip R	MCR03EZHJ154	E, EUK
R386	NC			
R387	NC	01: 0	ED 1005 1400V	
R388	RK3550	Chip R	ERJ2GEJ103X	
R392	RK3550	Chip R	ERJ2GEJ103X	
R393	RK3534	Chip R	ERJ2GEJ471X	
R394	RK3531	Chip R	ERJ2GEJ271X	
R395	RK3556	Chip R	ERJ2GEJ333X	
R396	RK3556	Chip R	ERJ2GEJ333X	
R398	RK3558	Chip R	ERJ2GEJ473X	TFH, R
R398	RK3570	Chip R	ERJ2GEJ474X	T, E, EUK
R401	RK3501	Chip R	ERJ2GE0R00X	
R402	RK3501	Chip R	ERJ2GE0R00X	
R403	RK3570	Chip R	ERJ2GEJ474X	
R404	RK3550	Chip R	ERJ2GEJ103X	
R405	RK3542	Chip R	ERJ2GEJ222X	
R406	RK3546	Chip R	ERJ2GEJ472X	
R407	RK3562	Chip R	ERJ2GEJ104X	
R408	RK3526	Chip R	ERJ2GEJ101X	
SW101	UU0041	Switch	EVQP4203M	
SW102	UU0041	Switch	EVQP4203M	
SW103	UU0041	Switch	EVQP4203M	
TC101	CT0050	Trimmer	TZY2Z100A001R00	
TH101	XS0052	Thermistor	NTCG104LH104JT1	
VR101	RH0233	Trimmer R	RH02B1C15X	
VR102	NC			
VR103	RH0225	Trimmer R	RH02B1CS3X	
VR104	RH0225	Trimmer R	RH02B1CS3X	
VR105	NC			
W101	MPCL07AA	Wire	#30P02-070-02	
W102	MACL07AA	Wire	#30A02-070-02	
W103	NC			EUK
W103	MACLH2GG	Wire	#30AH1-025-H1	T, E
X101	XQ0175	Crystal	SX2112 21.25MHDG0687	ľ
X102	NC	,		
X103	XK0004	Discriminator	CDBLB450KCAY24-B0	
X104	XQ0184	Crystal	AT49 3.6864M	
	UP0541	PCB	DJ170 INTEGRATED	
	FM0265	 	HEAT SINK DJ170	
	TS0183	VCO CASE	VCO CASE	
	TZ0049	700 0/102	SILICON DUMPER	
	1.20040		DIEIGOIA DOIVIE EIX	L

Mechanical Unit

Model:DJ-V17

Ref. No.	Parts No.	Description	Parts Name	Version
	ADFV17	FRONT CASE ASSY	FRONT CASE ASSY	
	ADRV17	REAR CASE ASSY	REAR CASE ASSY	
	AF0018	SCREW	XQN2+C4FZ	
	AF0030	SCREW	XQN2+A6FN(58364-0001	
	AP0039	SCREW	PH P2+20 FE/3BBC	
	AX0004Z	SCREW	PT 3P 2X8 BBC AX0004	
	DG0046		LCD LIGHT	
	DP0181		LCD PANNEL DJV17	
	FG0392		WATERPROOF	
	FG0418		LCD RUBBER CONE	

Model:DJ-V17

Ref. No.	Parts No.	Description	Parts Name	Version
	FG0419		WATERPROOF RUBBER	
	FG0423		JACK CAP DJ170	
	FG0424		O RING (R COVER)	
	FG0426		MIC RUBBER	
	FP0254		REAR COVER	
	FP0255		ROCK LEVER	
	FP0264		BLIND SEAL	
	NK0081		VOL KNOB	
	SP0013		LECTRA #7800	
	ST0089		LCD HOLDER	
	TL0033		REFLECTIVE SHEET	
	YX0039		LCD TAPE DJS45	

Packing Unit

Model:DJ-V17

Ref. No.	Parts No.	Description	Parts Name	Version
NO.	EA0141	ANTENNA	ANTENNA EA0141	T, E, EUK
	EA0142	ANTENNA	ANTENNA EA0142	TFH, R
	EG0062	BATTERY	EBP-65 P BAG	TFH, R
	EG0065	BATTERY	EBP-65A P BAG	T, E, EUK
	EDC146	ADAPTOR	ADAPTOR 120V	T
	EDC147	ADAPTOR	ADAPTOR 230V	E
	EDC148	ADAPTOR	ADAPTOR 230V (UK)	EUK
	PR0478		SERIAL SEAL	
	DS0446		NITTO MODEL PLATE(S)	
	PR0447		WARNING FCC (N)	T
	PR0452		FCC HOME USE	T
	HU0234		INNER DJ170	
	PS0520A	INSTRUCTION MANUAL	INSTRUCTION DJV17	
	PH0015		WARRANTY CEAT EXPO	T
	PK0110		CIRCUIT DIAGRAM V17	
	HK0637		INDIVIDUAL BOX V17	
	HP0031		PLA.BAG 5X100X200	
	BH0017	BELT CLIP	BELT CLIP	
	BB0009Y	HAND STRAP	HAND STRAP DJS41	
	AA0076		PH M3+6FE/B·ZN	
	HP0003		PLA.BAG 5X75X110	

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY

AN INCORRECT TYPE. DISPOSE OF USED BATTERIES

ACCORDING TO THE INSTRUCTIONS.

PARTS LIST<DJ-V47>

MAIN Unit

Model:DJ-V47

No. Parts No. Description Parts Name Version No. Parts Name No. Parts									IVIOU	lel:DJ-V47
C1020 C10301 Chip C	Ref. No.	Parts No.	Description	Parts Name	Version		Parts No.	Description	Parts Name	Version
C1020 C10201 C1	C101	GU3031	Chip C	C1608JB1H471KT-AS		C152	CU3515	Chip C	GRP1552C1H220JZ01E	TA2
Clust Clust Chip C	C102	CU3031	Chip C	C1608JB1H471KT-AS		C152	CU3516	Chip C	GRP1552C1H270JZ01E	T, E, EUK
C1055 C1055 C1056 C105	C103	CU3031	Chip C	C1608JB1H471KT-AS		C152	CU3519	Chip C	GRP1552C1H470JZ01E	TA1
1.016	C104	CU3510	Chip C	GRP1552C1H9R0DZ01E		C153	CU3507	Chip C	GRP1552C1H6R0DZ01E	
C1090 C10906 Chip C	C105	CU3511	Chip C	GRP1552C1H100JZ01E		C154	CU3523	Chip C	GRP1552C1H101JD01E	
C1098 C1090	C106	CU3503	Chip C	GRP1554C1H2R0CZ01E		C155	CU3559	Chip C	GRM155B30J105KE18D	
C1090 C10907 Chip C	C107	CU3006	Chip C	C1608CH1H050CT-AS		C156	CU3511	Chip C	GRP1552C1H100JZ01E	
C1099	C108	CU3006	Chip C	C1608CH1H050CT-AS		C157	CU3501	Chip C	GRP1554C1HR50CZ01E	
C100 C10014	C109	CU3007	Chip C	C1608CH1H060DT-A	TA2	C158	NC			
Display Color Chip C	C109	CU3009	Chip C	C1608CH1H080DT-A	EUK	C159	CU3535		GRP155B11H102KA01E	
	C110	CU3014	Chip C	C1608CH1H180JT-AS	TA1	C160	CU3511	Chip C	GRP1552C1H100JZ01E	
	C110	CU3010	Chip C	C1608CH1H090DT-A	TA2	C161	CU3504	Chip C	GRP1553C1H3R0CZ01E	
C1121 C1121	C110	CU3012	Chip C	C1608CH1H120JT-AS	T, E, EUK	C162	CU3527	Chip C	GRP1552C1E221JD01E	
C1131 C123011	C111	CU3013	Chip C	C1608CH1H150JT-AS		C163	CS0426	Chip Tantalum	F931A106MAA	
C114	C112	CU3011	Chip C	C1608CH1H100DT-AS		C164	CS0426	Chip Tantalum	F931A106MAA	
C115	C113	CU3011	Chip C	C1608CH1H100DT-AS		C165	CU3554	Chip C	GRP155B11A104KA01E	
C116	C114	CU3015	Chip C	C1608CH1H220JT-AS		C166	CU3531	Chip C	GRP155B11H471KD01E	
Color	C115	CU3512	Chip C	GRP1552C1H120JZ01E		C167	CU3547	Chip C	GRP155B11C103KA01E	
C118	C116	CU3531	Chip C	GRP155B11H471KD01E		C168	CU3531	Chip C	GRP155B11H471KD01E	
Color	C117	NC				C169	CU3531	Chip C	GRP155B11H471KD01E	
C119	C118	CU3501	Chip C	GRP1554C1HR50CZ01E	T, E, EUK, TA2	C170	NC			
C119	C118	CU3502	Chip C	GRP1554C1H1R0CZ01E	TA1	C171	CU3515	Chip C	GRP1552C1H220JZ01E	
C120 NC	C119	CU3501	Chip C	GRP1554C1HR50CZ01E	T, E, EUK, TA2	C172	NC			
C121 NC	C119	CU3502	Chip C	GRP1554C1H1R0CZ01E	TA1	C173	CU3531	Chip C	GRP155B11H471KD01E	
C122 CU3547 Chip C GRP155B11C103KA01E C177 CU3505 Chip C GRP155C1H4R0CZ01E	C120	NC				C174	CS0396	Chip Tantalum	TMCP1D104MTR	
C123 NC	C121	NC				C176	NC			
C124	C122	CU3547	Chip C	GRP155B11C103KA01E		C177	CU3505	Chip C	GRP1552C1H4R0CZ01E	
C125 CU3006 Chip C	C123	NC				C178	CU3503	Chip C	GRP1554C1H2R0CZ01E	
C128	C124		 	C1608CH1H040CT-AS		C179			TMK107BJ105KA-T	
C127 CU3006 Chip C	C125			C1608CH1H050CT-AS		C180	1	! ' 	GRP155B11H471KD01E	
C128 C3554 Chip C GRP155B11A104KA01E C183 CS0398 Chip Tantalum TMCP0J225MTR	C126	CU3006		C1608CH1H050CT-AS		C181	CU3531	 	GRP155B11H471KD01E	
C129 C03531 Chip C GRP155B11H471KD01E C186 C03531 Chip C GRP155B11H471KD01E C185 C03531 Chip C GRP155B11H471KD01E C186 C03531 Chip C GRP155B11H471KD01E C186 C03531 Chip C GRP155B11H471KD01E C187 C03523 Chip C GRP155B11H471KD01E C188 C03531 Chip C GRP155B11H471KD01E C189 C03531 Chip C GRP155B11H471KD01E C189 C03531 Chip C GRP155B11H471KD01E C190 C03505 Chip C GRP155B11H471KD01E C191 C03505 Chip C GRP1552C1H4R0C201E C192 C03501 Chip C GRP1552C1H4R0C201E C192 C03505 Chip C GRP1552C1H4R0C201E C192 C03505 Chip C GRP1552C1H4R0C201E C193 C03505 Chip C GRP1552C1H4R0C201E C194 C03505 Chip C GRP1552C1H50C201E T. E. EUK, TAZ C142 C03441 Chip Tantalum TMCMAQU28MTRF C195 C03506 Chip C GRP1552C1H50C201E T. E. EUK, TAZ C144 C03505 Chip C GRP1552C1H50Q201E C195 C03506 Chip C GRP1552C1H50Q201E T. E. EUK, TAZ C144 C03505 Chip C GRP1552C1H50Q201E C196 C03505 Chip C GRP1552C1H60Q201E C106 C03505 Chip C GRP1	C127	CU3006	<u> </u>	C1608CH1H050CT-AS		C182	CU3133	 	TMK107BJ105KA-T	
C130	C128	CU3554	<u> </u>	GRP155B11A104KA01E		C183		Chip Tantalum	TMCP0J225MTR	
C131 NC	C129	CU3531	-	GRP155B11H471KD01E		C184				
C132 CU3547 Chip C GRP155B11C103KA01E C138 CU3523 Chip C GRP155C2C1H101JD01E C133 CU3531 Chip C GRP155B11H471KD01E C138 CU3531 Chip C GRP155B11H471KD01E C138 CU3531 Chip C GRP155B11H471KD01E C138 CU3531 Chip C GRP155B11H471KD01E C139 CU3505 Chip C GRP155B11H471KD01E C139 CU3505 Chip C GRP155C2C1H4R0CZ01E C137 CU3511 Chip C GRP155C2C1H4R0CZ01E C138 NC C138 CU3531 Chip C GRP155C2C1H4R0CZ01E C138 NC C139 CU3505 Chip C GRP155C2C1H4R0CZ01E T. E. EUK, TAZ C138 NC C139 CU3505 Chip C GRP155C2C1H4R0CZ01E TA1 C138 NC C139 CU3505 Chip C GRP155C2C1H4R0CZ01E TA1 C138 NC C139 CU3505 Chip C GRP155C2C1H4R0CZ01E TA1 C138 CU3501 Chip C GRP155C2C1H5C0CZ01E TA1 C138 NC TA1 C138 CU3501 Chip C GRP155C2C1H5C0CZ01E TA1 C13502 Chip C GRP155C2C1H5C0CZ01E TA1 C13502 Chip C GRP155C2C1H5C0CZ01E TA1 C13502 Chip C GRP155C2C1H1C0CZ01E TA1 C13502 Chip	C130	CU3531	Chip C	GRP155B11H471KD01E		C185	CU3531	 	GRP155B11H471KD01E	
C133	C131								GRP155B11A104KA01E	
C134	C132		-							
C135 CU3531 Chip C GRP155B11H471KD01E C136 CU3505 Chip C GRP1552C1H4R0CZ01E C136 CU3531 Chip C GRP1552C1H100JZ01E C137 CU3511 Chip C GRP1552C1H100JZ01E C137 CU3511 Chip C GRP1552C1H100JZ01E C138 NC C139 NC C139 CU3505 Chip C GRP1552C1H4R0CZ01E TA1 C139 NC C140 NC C140 NC C141 CU3513 Chip C GRP1552C1H150JZ01E C141 CU3513 Chip C GRP1552C1H150JZ01E C141 CU3513 Chip C GRP1552C1H150JZ01E C142 CS0441 Chip Tantalum TMCMA0J226MTRF C142 CS0441 Chip Tantalum TMCMA0J226MTRF C143 CU3531 Chip C GRP1552C1H5R0CZ01E TA1 C143 CU3531 Chip C GRP155B11H471KD01E C144 CU3531 Chip C GRP155B11H471KD01E C144 CU3531 Chip C GRP155B11H471KD01E C146 CU3531 Chip C GRP155B11H471KD01E C148 CU3531 Chip C GRP155C1H1R0CZ01E T, E, EUK, TA2 C149 CU3531 Chip C GRP155C1H1R0CZ01E T, E, EUK, TA2 C149 CU3531 Chip C GRP155C1H1R0CZ01E T, E, EUK, TA2 C149 CU3531 Chip C GRP155C1H1R0CZ01E C149 CU3531 Chip C GRP155C1H1R0CZ01E C149 CU3531 Chip C GRP155C1H1R0CZ01E C149 CU3501 Chip C GRP155C1H1R0CZ01E C150 CU3501 Chip C GRP155C1H12JJD01E C150 CU3501 Chip C GRP155C1H12JJD01E C150 CU3501 Chip C GRP155C1H4R0CZ01E C150 CU3505 Chip C GRP155C1H4R	C133	CU3531	Chip C	GRP155B11H471KD01E		C188	CU3531		GRP155B11H471KD01E	
C136 CU3531 Chip C GRP155B11H471KD01E C137 CU3511 Chip C GRP1552C1H100JZ01E C137 CU3511 Chip C GRP1552C1H100JZ01E C132 CU3503 Chip C GRP1552C1H4R0CZ01E T, E, EUK, TAZ C138 NC C192 CU3505 Chip C GRP1552C1H4R0CZ01E TA1 C139 NC C193 CU3502 Chip C GRP1554C1H1R0CZ01E C140 NC C140 NC C141 CU3513 Chip C GRP1552C1H150JZ01E C194 CU3531 Chip C GRP1552C1H160JZ01E C142 CS0441 Chip Tantalum TMCMA0JZ26MTRF C195 CU3506 Chip C GRP1552C1H7R0DZ01E TA1 C143 CU3531 Chip C GRP155B11H471KD01E C144 CU3531 Chip C GRP155B11H471KD01E C144 CU3531 Chip C GRP155B11H471KD01E C144 CU3531 Chip C GRP155B11H471KD01E C146 CU3531 Chip C GRP155B11H471KD01E C146 CU3531 Chip C GRP155B11H471KD01E C146 CU3531 Chip C GRP155B11H471KD01E C148 CU3531 Chip C GRP155B11H471KD01E C149 CU3531 Chip C GRP155B11H471KD01E C150 NC T, E, EUK, TAZ C200 CU3502 Chip C GRP155C1H1R0CZ01E C201 CU3502 Chip C GRP155C1H1C1JD01E C201 C202 CU3504 Chip C GRP155C1H1C1JD01E C202 CU3505 Chip C GRP155C1H1C1JD01E	C134		<u> </u>	i e		C189		 	GRP155B11H471KD01E	
C137 CU3511 Chip C GRP1552C1H100JZ01E C192 CU3503 Chip C GRP1554C1H2R0CZ01E T, E, EUK, TAZ C138 NC C192 CU3505 Chip C GRP1552C1H4R0CZ01E TA1 C139 NC C193 CU3502 Chip C GRP1554C1H1R0CZ01E C140 NC C194 CU3531 Chip C GRP155B11H471KD01E C141 CU3513 Chip C GRP1552C1H50JZ01E C195 CU3506 Chip C GRP1552C1H5R0CZ01E T, E, EUK, TAZ C142 CS0441 Chip Tantalum TMCMA0JZ26MTRF C195 CU3508 Chip C GRP1552C1H7R0DZ01E TA1 C143 CU3531 Chip C GRP155B11H471KD01E C196 CU3559 Chip C GRP1552C1H5R0CZ01E TA1 C144 CU3531 Chip C GRP155B11H471KD01E C196 CU3559 Chip C GRP1552C1H580JD01E C145 CU3531 Chip C GRP155B11H471KD01E C198 NC TA1 C146 CU3531 Chip C GRP155B11H471KD01E C198 NC TA1 C147 NC C199 CU3531 Chip C GRP155B11H471KD01E C148 CU3507 Chip C GRP155C1H6R0DZ01E C200 CU3502 Chip C GRP155C1H1R0CZ01E T, E, EUK, TAZ C149 CU3531 Chip C GRP155B11H471KD01E C200 CU3502 Chip C GRP155C1H1R0CZ01E T, E, EUK, TAZ C149 CU3531 Chip C GRP155B11H471KD01E C200 CU3502 Chip C GRP155C1H1R0CZ01E C201 CU3501 Chip C GRP155C1H1R0CZ01E C201 CU3502 Chip C GRP155C1H1C1JD01E C201 CU3501 Chip C GRP155C1H1C1JD01E	C135	_				C190			GRP1552C1H4R0CZ01E	
C138 NC C139 NC C139 C13505 Chip C GRP1552C1H4R0CZ01E TA1	C136	CU3531							GRP1552C1H4R0CZ01E	
C139 NC	C137		Chip C	GRP1552C1H100JZ01E		C192			GRP1554C1H2R0CZ01E	T, E, EUK, TA2
C140 NC	C138									TA1
C141 CU3513 Chip C GRP1552C1H150JZ01E C195 CU3506 Chip C GRP1552C1H5R0CZ01E T. E. EUK, TAZ C142 CS0441 Chip Tantalum TMCMA0J226MTRF C195 CU3508 Chip C GRP1552C1H7R0DZ01E TA1 C143 CU3531 Chip C GRP155B11H471KD01E C196 CU3559 Chip C GRP155B30J105KE18D C144 CU3531 Chip C GRP155B11H471KD01E C197 CU3520 Chip C GRP155B30J105KE18D C145 CU3531 Chip C GRP155B11H471KD01E C198 NC TA1 C146 CU3531 Chip C GRP155B11H471KD01E C198 NC TA1 C147 NC C198 CU3502 Chip C GRP1554C1H1R0CZ01E T, E. EUK, TAZ C148 CU3507 Chip C GRP1552C1H6R0DZ01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C149 CU3531 Chip C GRP155B11H471KD01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C150 NC T, E. EUK, TAZ C202 CU3502 Chip C GRP1552C1H121JD01E C150 CU3501 Chip C GRP1554C1H1R0CZ01E C150 CU3501 Chip C GRP1552C1H4R0CZ01E	C139	-					i 			
C142 CS0441 Chip Tantalum TMCMA0J226MTRF C195 CU3508 Chip C GRP1552C1H7R0DZ01E TA1 C143 CU3531 Chip C GRP155B11H471KD01E C196 CU3559 Chip C GRM155B30J105KE18D C144 CU3531 Chip C GRP155B11H471KD01E C197 CU3520 Chip C GRP155C1H580JD01E C145 CU3531 Chip C GRP155B11H471KD01E C198 NC TA1 C146 CU3531 Chip C GRP155B11H471KD01E C198 CU3502 Chip C GRP1554C1H1R0CZ01E T, E, EUK, TA2 C147 NC C199 CU3531 Chip C GRP1552C1H6R0DZ01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C148 CU3507 Chip C GRP1552C1H6R0DZ01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C149 CU3531 Chip C GRP155B11H471KD01E C201 CU3502 Chip C GRP1554C1H1R0CZ01E C150 NC T, E, EUK, TA2 C202 CU3524 Chip C GRP1552C1H121JD01E C150 CU3501 Chip C GRP1554C1HR50CZ01E TA1 C203 CU3505 Chip C GRP1552C1H4R0CZ01E	C140		<u> </u>					+		
C143 CU3531 Chip C GRP155B11H471KD01E C196 CU3559 Chip C GRM155B30J105KE18D C144 CU3531 Chip C GRP155B11H471KD01E C145 CU3531 Chip C GRP155B11H471KD01E C146 CU3531 Chip C GRP155B11H471KD01E C146 CU3531 Chip C GRP155B11H471KD01E C198 CU3502 Chip C GRP1554C1H1R0CZ01E T. E. EUK, TA2 C147 NC C199 CU3531 Chip C GRP1552C1H6R0DZ01E C148 CU3507 Chip C GRP1552C1H6R0DZ01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C149 CU3531 Chip C GRP155B11H471KD01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C201 CU3502 Chip C GRP1554C1H1R0CZ01E C201 CU3501 Chip C GRP1552C1H121JD01E C150 CU3501 Chip C GRP1554C1H1R0CZ01E TA1 C202 CU3505 Chip C GRP1552C1H4R0CZ01E	C141	_	 		\vdash		+	 	i e	T, E, EUK, TA2
C144 CU3531 Chip C GRP155B11H471KD01E C197 CU3520 Chip C GRP1552C1H560JD01E TA1 C145 CU3531 Chip C GRP155B11H471KD01E C198 NC TA1 C146 CU3531 Chip C GRP155B11H471KD01E C198 CU3502 Chip C GRP1554C1H1R0CZ01E T, E, EUK, TAZ C147 NC C199 CU3531 Chip C GRP155B11H471KD01E C200 CU3502 Chip C GRP155B11H471KD01E C148 CU3507 Chip C GRP1552C1H6R0DZ01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C201 CU3531 Chip C GRP1554C1H1R0CZ01E C201 CU3502 Chip C GRP1554C1H1R0CZ01E C201 CU3502 Chip C GRP1554C1H1R0CZ01E C201 CU3501 Chip C GRP1552C1H121JD01E C202 CU3501 Chip C GRP1552C1H121JD01E C203 CU3501 Chip C GRP1552C1H4R0CZ01E	C142									TA1
C145 CU3531 Chip C GRP155B11H471KD01E C198 NC TA1 C146 CU3531 Chip C GRP155B11H471KD01E C198 CU3502 Chip C GRP1554C1H1R0CZ01E T. E. EUK, TAZ C147 NC C199 CU3531 Chip C GRP155B11H471KD01E C200 CU3502 Chip C GRP155B11H471KD01E C148 CU3507 Chip C GRP1552C1H6R0DZ01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C149 CU3531 Chip C GRP155B11H471KD01E C201 CU3502 Chip C GRP1554C1H1R0CZ01E C150 NC T. E. EUK, TAZ C202 CU3524 Chip C GRP1552C1H121JD01E C150 CU3501 Chip C GRP1554C1HR50CZ01E TA1 C203 CU3505 Chip C GRP1552C1H4R0CZ01E	C143	1		i e e e e e e e e e e e e e e e e e e e			 	 	i	
C146 CU3531 Chip C GRP155B11H471KD01E C198 CU3502 Chip C GRP1554C1H1R0CZ01E T. E. EUK, TAZ C147 NC C199 CU3531 Chip C GRP155B11H471KD01E C148 CU3507 Chip C GRP1552C1H6R0DZ01E C200 CU3502 Chip C GRP155B11H471KD01E C149 CU3531 Chip C GRP155B11H471KD01E C201 CU3502 Chip C GRP1554C1H1R0CZ01E C150 NC T. E. EUK, TAZ C202 CU3502 Chip C GRP1554C1H1R0CZ01E C150 CU3501 Chip C GRP1554C1HR50CZ01E TA1 C203 CU3505 Chip C GRP1552C1H4R0CZ01E	C144	+						Chip C	GRP1552C1H560JD01E	
C147 NC C199 CU3531 Chip C GRP155B11H471KD01E C200 CU3502 Chip C GRP155B11H471KD01E C200 CU3502 Chip C GRP1554C1H1R0CZ01E C201 CU3502 Chip C GRP1554C1H1R0CZ01E C201 CU3501 Chip C GRP1554C1H1R0CZ01E C202 CU3502 Chip C GRP155C1H121JD01E C150 CU3501 Chip C GRP1554C1HR50CZ01E TA1 C203 CU3505 Chip C GRP1552C1H4R0CZ01E	C145	1	_							
C148	C146		Chip C	GRP155B11H471KD01E				+	i e	T, E, EUK, TA2
C149 CU3531 Chip C GRP155B11H471KD01E C201 CU3502 Chip C GRP1554C1H1R0CZ01E C150 NC T. E. EUK, TA2 C202 CU3524 Chip C GRP1552C1H121JD01E C150 CU3501 Chip C GRP1554C1HR50CZ01E TA1 C203 CU3505 Chip C GRP1552C1H4R0CZ01E	C147		ļ., -							
C150 NC T, E, EUK, TA2 C202 CU3524 Chip C GRP1552C1H121JD01E C150 CU3501 Chip C GRP1554C1HR50CZ01E TA1 C203 CU3505 Chip C GRP1552C1H4R0CZ01E	C148		-	i e	\vdash			! ' 	î e	
C150 CU3501 Chip C GRP1554C1HR50CZ01E TA1 C203 CU3505 Chip C GRP1552C1H4R0CZ01E	C149		Chip C	GRP155B11H471KD01E	\vdash					
	C150	 	ļ				_	! ' 		
C151 CU3501 Chip C GRP1554C1HR50CZ01E C204 CU3531 Chip C GRP155B11H471KD01E	C150				TA1					
	C151	CU3501	Chip C	GRP1554C1HR50CZ01E		C204	CU3531	Chip C	GRP155B11H471KD01E	

Ref.	I	ı			Ref.	I	ı		
No.	Parts No.	Description	Parts Name	Version	No.	Parts No.	Description	Parts Name	Version
C205	CU3535	Chip C	GRP155B11H102KA01E		C262	CU3554	Chip C	GRP155B11A104KA01E	
C206	CU3531	Chip C	GRP155B11H471KD01E		C263	CU3531	Chip C	GRP155B11H471KD01E	
C207	CU3547	Chip C	GRP155B11C103KA01E		C264	CU3554	Chip C	GRP155B11A104KA01E	
C208	CU3523	Chip C	GRP1552C1H101JD01E		C265	CU3531	Chip C	GRP155B11H471KD01E	
C209	CU3511	Chip C	GRP1552C1H100JZ01E		C266	CU3554	Chip C	GRP155B11A104KA01E	
C210	CU3547	Chip C	GRP155B11C103KA01E		C267	CU3527	Chip C	GRP1552C1E221JD01E	
C211	CU3547	Chip C	GRP155B11C103KA01E		C268	CU3535	Chip C	GRP155B11H102KA01E	
C212	CU3505	Chip C	GRP1552C1H4R0CZ01E	T, E, EUK, TA2	C269	CU3547	Chip C	GRP155B11C103KA01E	
C212	CU3515	Chip C	GRP1552C1H220JZ01E	TA1	C270	CU3535	Chip C	GRP155B11H102KA01E	
C213	CU3531	Chip C	GRP155B11H471KD01E		C271	CU3531	Chip C	GRP155B11H471KD01E	
C214	CU3531	Chip C	GRP155B11H471KD01E		C272	CU3559	Chip C	GRM155B30J105KE18D	
C215	CU3512	Chip C	GRP1552C1H120JZ01E		C273	CU3513	Chip C	GRP1552C1H150JZ01E	
C216	CU3513	Chip C	GRP1552C1H150JZ01E	T, E, EUK, TA2	C274	CU3514	Chip C	GRP1552C1H180JZ01E	
C216	CU3515	Chip C	GRP1552C1H220JZ01E	TA1	C275	CU3543	Chip C	GRP155B11E472KD01E	
C217	CU3531	Chip C	GRP155B11H471KD01E		C276	CU3531	Chip C	GRP155B11H471KD01E	
C218	CU3547	Chip C	GRP155B11C103KA01E		C277	CU3133	Chip C	TMK107BJ105KA-T	
C219	CU3513	Chip C	GRP1552C1H150JZ01E		C278	CU3554	Chip C	GRP155B11A104KA01E	
C220	CU3513	Chip C	GRP1552C1H150JZ01E	T, E, EUK, TA2	C279	CS0439	Chip Tantalum	TMCMA0J476MTRF	
C220	CU3514	Chip C	GRP1552C1H180JZ01E	TA1	C280	CU3554	Chip C	GRP155B11A104KA01E	
C221	CU3501	Chip C	GRP1554C1HR50CZ01E		C281	CE0437	Electrolytic C	10CE150BSS	
C222	CU3506	Chip C	GRP1552C1H5R0CZ01E		C282	CU3554	Chip C	GRP155B11A104KA01E	
C223	CU3501	Chip C	GRP1554C1HR50CZ01E		C283	CU3551	Chip C	GRP155B11C223KD01E	
C224	CU3551	Chip C	GRP155B11C223KD01E		C284	CU3551	Chip C	GRP155B11C223KD01E	
C225	CU3531	Chip C	GRP155B11H471KD01E		C285	CU3535	Chip C	GRP155B11H102KA01E	
C226	CU3133	Chip C	TMK107BJ105KA-T		C286	CU3535	Chip C	GRP155B11H102KA01E	
C227	CU3536	Chip C	GRM36B122K50PT		C287	CU3554	Chip C	GRP155B11A104KA01E	
C228	CU3547	Chip C	GRP155B11C103KA01E		C288	CU3559	Chip C	GRM155B30J105KE18D	
C229	CU3547	Chip C	GRP155B11C103KA01E		C289	CS0441	Chip Tantalum	TMCMA0J226MTRF	
C230	CU3554	Chip C	GRP155B11A104KA01E		C290	CS0397	Chip Tantalum	TMCP1C105MTR	
C231	CU3554	Chip C	GRP155B11A104KA01E		C291	CU3531	Chip C	GRP155B11H471KD01E	
C232	CU3522	Chip C	GRP1552C1H820JD01E		C292	CS0440	Chip Tantalum	TMCMB1C476MTRF	
C233	CU3535	Chip C	GRP155B11H102KA01E		C293	CU3559	Chip C	GRM155B30J105KE18D	
C234	CU3554	Chip C	GRP155B11A104KA01E		C294	CU3554	Chip C	GRP155B11A104KA01E	
C235	CU3554	Chip C	GRP155B11A104KA01E		C295	CU3547	Chip C	GRP155B11C103KA01E	
C236	CU3523	Chip C	GRP1552C1H101JD01E		C296	CU3554	Chip C	GRP155B11A104KA01E	
C237	CU3554	Chip C	GRP155B11A104KA01E		C297	CU3553	Chip C	GRP155B11A473KA01E	
C238	CU3535	Chip C	GRP155B11H102KA01E		C298	CU3535	Chip C	GRP155B11H102KA01E	
C239	CU3531	Chip C	GRP155B11H471KD01E		C299	CU3531	Chip C	GRP155B11H471KD01E	
C240	NC				C300	NC			
C241	CU3554	Chip C	GRP155B11A104KA01E		C301	NC	011.0		
C242	CU3547	Chip C	GRP155B11C103KA01E	\vdash	C302	CU3531	Chip C	GRP155B11H471KD01E	
C243	CU3531	Chip C	GRP155B11H471KD01E	\vdash	C303	CU3551	Chip C	GRP155B11C223KD01E	
C244	CU3554	Chip C	GRP155B11A104KA01E	\vdash	C304	CU3552	Chip C	GRP155B11A333KA01E	
C245	CS0441	Chip Tantalum	TMCMA0J226MTRF		C305	CU3554	Chip C	GRP155B11A104KA01E	
C246	CU3559	Chip C	GRM155B30J105KE18D	\vdash	C306	CU3531	Chip C	GRP155B11H471KD01E	
C247	CU3531	Chip C	GRP155B11H471KD01E		C307	CS0439	Chip Tantalum	TMCMA0J476MTRF	
C248	CU3535	Chip C	GRP155B11H102KA01E	\vdash	C308	CU3531	Chip C	GRP155B11H471KD01E	
C249	CU3547	Chip C	GRP155B11C103KA01E		C309	CU3531	Chip C Chip C	GRP155B11H471KD01E	
C250	CU3531	Chip C Chip C	GRP155B11H471KD01E	\vdash	C310	CU3531	Chip C	GRP155B11H471KD01E	
C251	CU3547	Chip C	GRP155B11C103KA01E	\vdash	C311	CU3531	Chip Tantalum	GRP155B11H471KD01E	
C252	CU3519	Chip C	GRP1552C1H470JZ01E	\vdash	C312	CS0426	Chip C	F931A106MAA	
C253	CU3535 CU3535	Chip C	GRP155B11H102KA01E	\vdash	C313	CU3531 CU3547	Chip C	GRP155B11H471KD01E	
C254		Chip C	GRP155B11H102KA01E		C314	 	Chip C	GRP155B11C103KA01E	
C255	CU3553 CU3554	Chip C	GRP155B11A473KA01E	\vdash	C315	CU3547 CU3535	Chip C	GRP155B11C103KA01E	
C256 C257	CS0441	Chip Tantalum	GRP155B11A104KA01E	\vdash	C316 C317	CU3535	Chip C	GRP155B11H102KA01E GRP155B11H471KD01E	
	CU3554	Chip C	TMCMA0J226MTRF	\vdash		1	Chip C		
C258		Chip C	GRP155B11A104KA01E	\vdash	C318	CU3531	Chip C	GRP155B11H471KD01E	
C259	CU3531	Chip C	GRP155B11H471KD01E	\vdash	C319	CU3531	Chip C	GRP155B11H471KD01E	
C260	CU3527	-	GRP1552C1E221JD01E	\vdash	C320	CU3554	Chip Tantalum	GRP155B11A104KA01E	
C261	CU3522	Chip C	GRP1552C1H820JD01E		C321	CS0439	Cuib rantainm	TMCMA0J476MTRF	

Ref. No. Description Parts Name Version Ref. No. Description Parts Name No. C322 QU3554 Chip C GRP158111030KA01E D130 X00416 D1046 SAS24XTESS. T010 C GRP158111030KA01E D130 X00416 D1046 SAS24XTESS. T010 C GRP158111030KA01E D130 X00416 D1046 SAS24XTESS. T010 C GRP158111030KA01E D131 X0036 Chip LED Sas310MTT86 C C C C C C C C C	
C1222 C123554 Chip C GRP15851110304A01E D130 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Version
Cusset	
Cu234 Cu364 Chip C GPR158B1HC108CADIE D131 XL0058 Chip LED SML-310MT158 Cu220 Cu230 Cu3513 Chip C GRP158B1HC17NDDE D132 XL0068 Chip LED SML-310MT158 Cu220 Cu221 Cu2313 Chip C GRP158B1HC17NDDE D133 XD0418 D0506 Chip LED SML-310MT158 Cu220 Cu2313 Chip C GRP158B1HC17NDDE D134 XD0418 D0506 R82515-30TE81 Cu220 Cu2305 Chip C GRP158B1HC17NDDE D135 XD0377 D0506 MAZ2507DHL Cu230 Cu2305 Chip C GRP158B1HC17NDDE Cu230 Cu2305 Chip C GRP158B1HC17NDDE T.A. Cu230 Cu2305 Chip C GRP158B1HC17NDDE T.A. Cu230 Cu2306 Chip C GRP158B1HC17NDDE Cu2306 Cu2306 Chip C GRP158B1HC17	
Cussor Chip C	
C227 CU1333 Chip C THK107BJ.106K-T D134 XD0418 D0dde R8921S-30TE81 C127 C127 C1285 C1285 Chip C GRP15891 IH147KD01E D135 XD0418 D0dde R8921S-30TE81 C1285 C128	
Custo Cust	
C331 CUSSSS	
C332 CJ3554 Chip C GRP1558114102K401E F1.101 XF0073 MCF 38M18BSF	
C334 C	
C334 CU3362 Chip C GRP15561H1R0C201E T. F., EUK C010 XA1107 C ME01520TR C336 CU3364 CU3365 Chip C GRP15551HRMC201E TA1 C102 XA1108 C ME01520TR C336 CS0398 Chip Tantalum TMCP-10164MTR C1010 XA1108 C ME01520TR C336 C3365 Chip C GRP15551HAT/KD01E C1010 XA120 C S804854.09-38TI G C336 C3355 Chip C GRM155530.105K180 C1016 XA1107 C S804854.09-38TI G C336 C3355 Chip C GRM155530.105K180 C1016 XA1107 C S804854.09-38TI G C336 C3355 Chip C GRM155530.105K180 C1016 XA1108 C ME02425FP/CFGJ C336 C3353 Chip C GRP15581HAT/KD01E C108 XA1108 C ME02425FP/CFGJ C336 C3353 Chip C GRP15581HAT/KD01E C108 XA1108 C ME02425FP/CFGJ C336 C3353 Chip C GRP15581HAT/KD01E C108 XA1108 C ME02425FP/CFGJ C336 C3353 Chip C GRP15581HAT/KD01E C108 XA1108 C ME02425FP/CFGJ C336 C3353 Chip C GRP15581HAT/KD01E C108 XA1108 C ME02425FP/CFGJ C336 C3353 Chip C GRP15581HAT/KD01E C1010 XA1118 C ME02425FP/CFGJ C336 C3353 Chip C GRP15581HAT/KD01E C1010 XA1119 C XA2625F950MR C356 C3353 Chip C GRP15581HAT/KD01E C1010 XA1108 C ME02425F950MR C356 C3353 Chip C GRP15581HAT/KD01E C1010 XA1108 C ME04445F C	
C334 CUS502 Chip C GRP15SGCH1R0C201E TA1 CI02 XA1107 IC MB15E07SR C334 CUS504 Chip C GRP15SGCH3R0C201E TA1 CI02 XA1108 IC IAX902PWR C336 CS03996 Chip Tantalum TMOPIDIOMATR CI013 XA0404 IC TA1318FNELD CS047 CUS331 Chip C GRP15SB1H471KD01E CI014 XA1120 IC S8094SCLNB-B86-T2G CS49 CUS559 Chip C GRN15SB301J0SK18D CI016 XA2120 IC XA1120 IC S8094SCLNB-B86-T2G CS49 CUS559 Chip C GRN15SB301J0SK18D CI016 XA2120 IC XA1M207DWT TO CS205 CUS559 Chip C GRN15SB301J0SK18D CI016 XA2120 IC XA1M207DWT TO CS205 CUS530 Chip C GRN15SB301J0SK18D CI016 XA2120 IC XA1M207DWT TO CS205 CUS530 Chip C GRP15SB1H471KD01E CI018 XA1108 IC LMS242FPP/CPUJ CS25 CUS530 Chip C GRP15SB1H471KD01E CI018 XA1108 IC LMS205PWR CS35 CUS353 Chip C GRP15SB1H471KD01E CI018 XA1121 IC CX202PPWR CS35 CUS353 Chip C GRP15SB11H471KD01E CUS50 XA1121 IC CX202PPWR CS35 CUS50	
C336 C3394 Chip C	
C339 C3399 Chip Tentalium TMCPD104MTR	
C949 CU3559 Chip C GRM15580J105KE18D C105 XA1120 IC S80845CLNB-B86-772G C349 CU3559 Chip C GRM15580J105KE18D C105 XA1117 IC S40846CLJ8F1G C350 CU3559 Chip C GRM15580J105KE18D C106 XA1118 IC M82429FP/CPJJ C811 C105 XA1118 IC M82429FP/CPJJ C812 C105 XA1118 IC M82429FP/CPJJ C105 XA113 IC M82429FP/CPJJ XA113 IC M82429FP/CPJJ XA123 IC M82429FP/CP	
C350	
C359	
C352	
C353 CU3531 Chip C GRP155B11H471KDD1E C109 XA1121 IC M38288MCA-076GPPUO C356 CU3531 Chip C GRP155B11H471KDD1E C110 XA1119 IC XC6202P502MR XA1121 IC XC6202P502MR XA1121 IC XC6202P502MR XA1119 IC XC6202P502MR XA1121 IC XC6202P502MR XA1121 IC XC6202P502MR XA1121 IC XA1119 IC XC6202P502MR XA1121 IC XA1119 IC XA	
C354 CU3531 Chip C	
C355 C30398 Chip Tantalum TMCP0J225MTR JIK101 UJ0060 Jack HSJ1594-010150 C356 CU347 Chip C GRP155811C103KA01E JIK102 UJ0061 Jack U-0208-1.3 C357 KC C357 KC C358 KC C357 KC C358 KC C359 C3531 Chip C GRP155811H471KD01E L102 QS401405 Coil 0.40-1.4-5TL C3680 CU3331 Chip C GRP155811H471KD01E L103 QS401405 Coil 0.40-1.4-5TL C3680 CU3331 Chip C GRP155811H471KD01E L104 QS40124 Coil E2-0.4-11-4TL C362 CU3531 Chip C GRP155811H471KD01E L106 QC0749 Chip Inductor C1608CB1N5K C372 CU3531 Chip C GRP155811H471KD01E L106 QC0749 Chip Inductor C1608CB1N5K C372 CU3531 Chip C GRP155811H471KD01E L108 G20200D C0il 0.30-20-13TL C0101 KC C372 CU3531 Chip C GRP155811H471KD01E L109 QC0801 Chip Inductor MLG1005S12NJT C0102 KC C403331 Chip C GRP155811H471KD01E L109 QC0804 Chip Inductor MLG1005S12NJT C0102 KC C403331 Chip C GRP155811H471KD01E L109 QC0804 Chip Inductor MLG1005S12NJT C0102 KC C403331 Chip C GRP15581H471KD01E L109 QC0804 Chip Inductor MLG1005S12NJT C0102 KC C403331 Chip C GRP15581H471KD01E L109 QC0804 Chip Inductor MLG1005S12NJT C0102 KC C403331 Chip C C403331 Chip C C40304 Chip Inductor MLG1005S12NJT C0102 KC C4030331 Chip C C40304 C4	
C356 CU3547 Chip C GRP155B11C103KA01E L101 QS401405 Coli Q40-14-5TL	
C358 NC	
C358 NC	
C359 CU3531 Chip C GRP155B11H471KD01E L103 QS401140 Coil 0.40-1.4-5TL	
C380 CU3531 Chip C GRP155B11H471KD01E L104 QS4011Z4 Coil E2-0.4-1.1-4TL	
C382 C3331	
C383	
C372 CU3531 Chip C GRP155B11H471KD01E L108 QS30200D Coil 0.30-2.0-13TL	
CN101 NC	
CN102 NC	
CN103 UE0506 Connector AXK520135P	
D101 XD0339 Diode 1SV308(TPH3) L112 QC0773 Chip Inductor C1608CBR47J	
D102 XD0419 Diode	
D103 XD0339 Diode 15V308(TPH3) L114 QB0057 Chip Inductor MPZ1608S101AT	
D104 NC	
D105 XD0251 Diode MA741WA-(TX)	
D108 NC	
D107 NC	
D108 XD0422 Diode	
Dide	
D110 XD0403 Diode 1SV314(TPH3,F) L122 QC0817 Chip Inductor MLG1005SR27JT	
D111 NC	
D112 XD0339 Diode 1SV308(TPH3) L124 QC0768 Chip Inductor C1608CBR18J	
D113 XD0339 Diode 1SV308(TPH3) L125 QC0757 Chip Inductor C1608CB22NJ D114 XD0339 Diode 1SV308(TPH3) L126 QC0755 Chip Inductor C1608CB15NJ D115 XD0403 Diode 1SV314(TPH3,F) L127 QC0768 Chip Inductor C1608CB22NJ D116 XD0403 Diode 1SV314(TPH3,F) L128 QC0757 Chip Inductor C1608CB15NJ D117 XD0403 Diode 1SV314(TPH3,F) L129 QC0755 Chip Inductor C1608CB15NJ D118 XD0403 Diode 1SV314(TPH3,F) L130 QC0820 Chip Inductor LB2518T151K D119 XL0097 Chip LED SML-521MUWT86 L131 QC0842 Chip Inductor LB2518T221K D120 XD0338 Diode 1SS400TE61 L137 QC0812 Chip Inductor MLG1005SR10JT D123 XD0424 Diode S3JB-T LCD101 EL0059 LCD LCD LCD DJ170	
D114 XD0339 Diode 1SV308(TPH3) L126 QC0755 Chip Inductor C1608CB15NJ	
D115 XD0403 Diode 1SV314(TPH3,F) L127 QC0768 Chip Inductor C1608CBR18J	
D116 XD0403 Diode 1SV314(TPH3,F) L128 QC0757 Chip Inductor C1608CB22NJ D117 XD0403 Diode 1SV314(TPH3,F) L129 QC0755 Chip Inductor C1608CB15NJ D118 XD0403 Diode 1SV314(TPH3,F) L130 QC0820 Chip Inductor LB2518T151K D119 XL0097 Chip LED SML-521MUWT86 L131 QC0842 Chip Inductor LB2518T221K D120 XD0338 Diode 1SS362(TE85L) L136 QC0812 Chip Inductor MLG1005SR10JT D121 XD0419 Diode 1SS400TE81 L137 QC0812 Chip Inductor MLG1005SR10JT D122 XD0424 Diode S3JB-T LCD101 EL0059 LCD LCD DJ170 D123 XD0420 Diode FA3J3STP MIC101 EY0017 Microphone OB-27P44 D125 XD0420 Diode FA3J3STP Q101 XT0210 Transistor 2SC6026MFV-GR D125 X	
D117 XD0403 Diode 1SV314(TPH3,F) L129 QC0755 Chip Inductor C1608CB15NJ D118 XD0403 Diode 1SV314(TPH3,F) L130 QC0820 Chip Inductor LB2518T151K D119 XL0097 Chip LED SML-521MUWT86 L131 QC0842 Chip Inductor LB2518T221K D120 XD0338 Diode 1SS362(TE85L) L136 QC0812 Chip Inductor MLG1005SR10JT D121 XD0419 Diode 1SS400TE61 L137 QC0812 Chip Inductor MLG1005SR10JT D122 XD0424 Diode S3JB-T LCD101 EL0059 LCD LCD DJ170 D123 XD0420 Diode FA3J3STP MIC101 EY0017 Microphone OB-27P44 D124 XD0338 Diode 1SS362(TE85L) Q101 XT0210 Transistor 2SC6026MFV-GR D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
D118 XD0403 Diode 1SV314(TPH3,F) L130 QC0820 Chip Inductor LB2518T151K D119 XL0097 Chip LED SML-521MUWT86 L131 QC0842 Chip Inductor LB2518T221K D120 XD0338 Diode 1SS362(TE85L) L136 QC0812 Chip Inductor MLG1005SR10JT D121 XD0419 Diode 1SS400TE81 L137 QC0812 Chip Inductor MLG1005SR10JT D122 XD0424 Diode S3JB-T LCD101 EL0059 LCD LCD DJ170 D123 XD0420 Diode FA3J3STP MIC101 EY0017 Microphone OB-27P44 D124 XD0338 Diode 1SS362(TE85L) Q101 XT0210 Transistor 2SC6026MFV-GR D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
D119 XL0097 Chip LED SML-521MUWT86 L131 QC0842 Chip Inductor LB2518T221K D120 XD0338 Diode 1SS362(TE85L) L136 QC0812 Chip Inductor MLG1005SR10JT D121 XD0419 Diode 1SS400TE61 L137 QC0812 Chip Inductor MLG1005SR10JT D122 XD0424 Diode S3JB-T LCD101 EL0059 LCD LCD DJ170 D123 XD0420 Diode FA3J3STP MIC101 EY0017 Microphone OB-27P44 D124 XD0338 Diode 1SS362(TE85L) Q101 XT0210 Transistor 2SC6026MFV-GR D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
D120 XD0338 Diode 1SS362(TE85L) L136 QC0812 Chip Inductor MLG1005SR10JT D121 XD0419 Diode 1SS400TE61 L137 QC0812 Chip Inductor MLG1005SR10JT D122 XD0424 Diode S3JB-T LCD101 EL0059 LCD LCD DJ170 D123 XD0420 Diode FA3J3STP MIC101 EY0017 Microphone OB-27P44 D124 XD0338 Diode 1SS362(TE85L) Q101 XT0210 Transistor 2SC6026MFV-GR D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
D121 XD0419 Diode 1SS400TE61 L137 QC0812 Chip Inductor MLG1005SR10JT D122 XD0424 Diode S3JB-T LCD101 EL0059 LCD LCD DJ170 D123 XD0420 Diode FA3J3STP MIC101 EY0017 Microphone OB-27P44 D124 XD0338 Diode 1SS362(TE85L) Q101 XT0210 Transistor 2SC6026MFV-GR D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
D122 XD0424 Diode S3JB-T LCD101 EL0059 LCD LCD DJ170 D123 XD0420 Diode FA3J3STP MIC101 EY0017 Microphone OB-27P44 D124 XD0338 Diode 1SS362(TE85L) Q101 XT0210 Transistor 2SC6026MFV-GR D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
D123 XD0420 Diode FA3J3STP MIC101 EY0017 Microphone OB-27P44 D124 XD0338 Diode 1SS362(TE85L) Q101 XT0210 Transistor 2SC6026MFV-GR D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
D124 XD0338 Diode 1SS362(TE85L) Q101 XT0210 Transistor 2SC6026MFV-GR D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
D125 XD0420 Diode FA3J3STP Q102 XE0071 FET 2SK3476(TE12L,Q)	
to the first transfer transfer to the first transfer trans	
D127 XL0036 Chip LED SML-310MTT86 Q104 XT0180 Transistor 2SC5066FT-Y (TE85L)	
D128 XL0036 Chip LED SML-310MTT86 Q105 XT0180 Transistor 2SC5066FT-Y (TE85L)	

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Ref. No.	Parts No.	Description	Parts Name	Version	Ref. No.	Parts No.	Description	Parts Name	Version
Q106	NC				R116	RK3022	Chip R	MCR03EZHJ470	
Q107	XT0213	Transistor	2SC5659T2L		R117	RK3530	Chip R	ERJ2GEJ221X	
	XT0180	Transistor	2SC5066FT-Y (TE85L)		R118	RK3526	Chip R	ERJ2GEJ101X	
	NC		2000000111(12002)		R119	RK3566	Chip R	ERJ2GEJ224X	
	XT0180	Transistor	2SC5066FT-Y (TE85L)		R120	NC		ENGEGEE IX	
	XT0214	Transistor	HN2C01FE-GR(T5L,F)		R121	RK3538	Chip R	ERJ2GEJ102X	
Q112	XU0210	Transistor	RN1107MFV(TPL3)		R122	RK3542	Chip R	ERJ2GEJ222X	
	XT0180	Transistor	2SC5066FT-Y (TE85L)		R123	RK3522	Chip R	ERJ2GEJ470X	
	XE0053	FET	3SK293 TE85L		R124	RK3526	Chip R	ERJ2GEJ101X	
Q115	XT0213	Transistor	2SC5659T2L		R125	NC			
Q116	XE0053	FET	3SK293 TE85L		R126	RK3562	Chip R	ERJ2GEJ104X	
Q117	XU0210	Transistor	RN1107MFV(TPL3)		R127	RK3562	Chip R	ERJ2GEJ104X	
Q118	XT0180	Transistor	2SC5066FT-Y (TE85L)		R128	RK3550	Chip R	ERJ2GEJ103X	
Q119	XT0213	Transistor	2SC5659T2L		R129	RK3574	Chip R	ERJ2GEJ105X	
Q120	XT0210	Transistor	2SC6026MFV-GR		R130	NC			
Q121	XU0212	Transistor	RN2115MFV(TPL3)		R131	RK3552	Chip R	ERJ2GEJ153X	
Q122	XU0210	Transistor	RN1107MFV(TPL3)		R132	RK3530	Chip R	ERJ2GEJ221X	
Q123	NC				R133	RK3550	Chip R	ERJ2GEJ103X	
Q124	XU0220	Transistor	RN2111MFV(TLP3)		R136	RK3538	Chip R	ERJ2GEJ102X	
Q125	XU0210	Transistor	RN1107MFV(TPL3)		R137	RK3553	Chip R	ERJ2GEJ183X	TA2
	XU0210	Transistor	RN1107MFV(TPL3)		R137	RK3554	Chip R	ERJ2GEJ223X	T, E, EUK
	XU0220	Transistor	RN2111MFV(TLP3)		R137	RK3556	Chip R	ERJ2GEJ333X	TA1
	XT0210	Transistor	2SC6026MFV-GR		R138	RK3562	Chip R	ERJ2GEJ104X	
	XT0210	Transistor	2SC6026MFV-GR		R139	RK3550	Chip R	ERJ2GEJ103X	
Q130	XT0170	Transistor	2SB766A-(TX)R		R140	RK3501	Chip R	ERJ2GE0R00X	
Q131	XT0210	Transistor	2SC6026MFV-GR		R141	RK3555	Chip R	ERJ2GEJ273X	
Q132	XT0170	Transistor	2SB766A-(TX)R		R142	RK3550	Chip R	ERJ2GEJ103X	
Q133	XE0069	FET	SSM3K15FV(TPL3,Z)		R143	RK3546	Chip R	ERJ2GEJ472X	
	XU0210	Transistor	RN1107MFV(TPL3)		R144	RK3501	Chip R	ERJ2GE0R00X	
	XT0214	Transistor	HN2C01FE-GR(T5L,F)		R145	RK3550	Chip R	ERJ2GEJ103X	
Q136	XT0170	Transistor	2SB766A-(TX)R		R146	RK3537	Chip R	ERJ2GEJ821X	
	XT0212	Transistor	2SA1955FV-A(TPL3)		R147	RK3526	Chip R	ERJ2GEJ101X	
Q138	XT0212	Transistor	2SA1955FV-A(TPL3)		R148	RK3542	Chip R Chip R	ERJ2GEJ222X	
	XT0214	Transistor Transistor	HN2C01FE-GR(T5L,F)		R149	RK3532	Chip R	ERJ2GEJ331X	
	XT0212	Transistor	2SA1955FV-A(TPL3)		R150	RK3567 NC	Chip K	ERJ2GEJ274X	
	XT0210 XU0213	Transistor	2SC6026MFV-GR		R151		Chip R	ED INGE INNOV	T, E, EUK, TA2
Q142 Q143	XU0213 XU0213	Transistor	RN1111MFV(TPL3),F		R152 R152	RK3542 RK3543	Chip R	ERJ2GEJ222X ERJ2GEJ272X	TA1
_	XU0213 XU0210	Transistor	RN1111MFV(TPL3),F RN1107MFV(TPL3)		R154	RK3570	Chip R	ERJ2GEJ272X	IAI
Q145	XU0210	Transistor	RN2107MFV(TPL3)	 	R155	RK3570	Chip R	ERJ2GEJ222X	
	XU0211	Transistor	RN1111MFV(TPL3),F		R156	RK3538	Chip R	ERJ2GEJ102X	
Q147	XE0069	FET	SSM3K15FV(TPL3,Z)		R157	RK3550	Chip R	ERJ2GEJ103X	
Q148	XE0069	FET	SSM3K15FV(TPL3,Z)		R159	RK3539	Chip R	ERJ2GEJ122X	
-	XT0210	Transistor	2SC6026MFV-GR		R161	RK3538	Chip R	ERJ2GEJ102X	
Q152	XU0211	Transistor	RN2107MFV(TPL3)		R162	RK3564	Chip R	ERJ2GEJ154X	
Q153	XU0211	Transistor	RN2107MFV(TPL3)		R163	RK3522	Chip R	ERJ2GEJ470X	
R101	RK3534	Chip R	ERJ2GEJ471X		R164	RK3550	Chip R	ERJ2GEJ103X	
	RK3545	Chip R	ERJ2GEJ392X		R165	RK3544	Chip R	ERJ2GEJ332X	
R103	RK3550	Chip R	ERJ2GEJ103X		R166	RK3526	Chip R	ERJ2GEJ101X	
R104	RK3501	Chip R	ERJ2GE0R00X		R167	RK3542	Chip R	ERJ2GEJ222X	
	NC				R168	NC			
R106	NC				R169	RK3550	Chip R	ERJ2GEJ103X	
R107	RK3526	Chip R	ERJ2GEJ101X		R170	RK3530	Chip R	ERJ2GEJ221X	
R108	RK3534	Chip R	ERJ2GEJ471X		R171	RK3526	Chip R	ERJ2GEJ101X	
R109	RK3030	Chip R	MCR03EZHJ221		R172	RK3501	Chip R	ERJ2GE0R00X	
R111	RK3542	Chip R	ERJ2GEJ222X		R173	RK3564	Chip R	ERJ2GEJ154X	
R112	RK3556	Chip R	ERJ2GEJ333X		R174	RK3530	Chip R	ERJ2GEJ221X	
R113	RK3548	Chip R	ERJ2GEJ682X		R175	RK3550	Chip R	ERJ2GEJ103X	
	NC				R176	RK3570	Chip R	ERJ2GEJ474X	
R115	NC				R177	RK3562	Chip R	ERJ2GEJ104X	

Ref.	T		Τ	Τ	Ref.	I	1	T	del:DJ-V47
No.	Parts No.	Description	Parts Name	Version	No.	Parts No.	Description	Parts Name	Version
R178	RK3550	Chip R	ERJ2GEJ103X		R240	RK3562	Chip R	ERJ2GEJ104X	
R179	RK3538	Chip R	ERJ2GEJ102X		R242	RK3501	Chip R	ERJ2GE0R00X	
R180	RK3501	Chip R	ERJ2GE0R00X		R243	RK3550	Chip R	ERJ2GEJ103X	
R181	RK3550	Chip R	ERJ2GEJ103X		R244	RK3564	Chip R	ERJ2GEJ154X	
R182	RK3566	Chip R	ERJ2GEJ224X		R245	RK3544	Chip R	ERJ2GEJ332X	
R183	NC				R246	RK3562	Chip R	ERJ2GEJ104X	
R184	NC				R247	RK3559	Chip R	ERJ2GEJ563X	
R185	RK3562	Chip R	ERJ2GEJ104X		R248	RK3538	Chip R	ERJ2GEJ102X	
R186	RK3550	Chip R	ERJ2GEJ103X		R249	RK3566	Chip R	ERJ2GEJ224X	
R187	RK3526	Chip R	ERJ2GEJ101X		R250	RK3550	Chip R	ERJ2GEJ103X	
R188	RK3538	Chip R	ERJ2GEJ102X		R251	RK3562	Chip R	ERJ2GEJ104X	
R189	RK3538	Chip R	ERJ2GEJ102X		R252	RK3561	Chip R	ERJ2GEJ823X	
R190	RK3530	Chip R	ERJ2GEJ221X		R253	RK3566	Chip R	ERJ2GEJ224X	
R191	RK3550	Chip R	ERJ2GEJ103X		R254	RK3550	Chip R	ERJ2GEJ103X	
R192	RK3558	Chip R	ERJ2GEJ473X		R255	RK3563	Chip R	ERJ2GEJ124X	
R193	RK3562	Chip R	ERJ2GEJ104X		R256	RK3562	Chip R	ERJ2GEJ104X	
R194	RK3522	Chip R	ERJ2GEJ470X		R257	RK3538	Chip R	ERJ2GEJ102X	
R195	RK3558	Chip R	ERJ2GEJ473X		R258	RK3574	Chip R	ERJ2GEJ105X	
R196	RK3558	Chip R	ERJ2GEJ473X		R259	RK3566	Chip R	ERJ2GEJ224X	1
R197	RK3574	Chip R	ERJ2GEJ105X		R260	RK3553	Chip R	ERJ2GEJ183X	
R198	RK3574	Chip R	ERJ2GEJ105X		R261	RK3574	Chip R	ERJ2GEJ105X	
R199	RK3555	Chip R	ERJ2GEJ273X		R262	RK3562	Chip R	ERJ2GEJ104X	
R200	RK3560	Chip R	ERJ2GEJ683X		R263	RK3562	Chip R	ERJ2GEJ104X	
R201	RK3522	Chip R	ERJ2GEJ470X		R264	RK3558	Chip R	ERJ2GEJ473X	
R202	RK3538	Chip R	ERJ2GEJ102X		R265	RK3536	Chip R	ERJ2GEJ681X	
R203	RK3566	Chip R	ERJ2GEJ224X		R266	RK3518	Chip R	ERJ2GEJ220X	
R204	RK3574	Chip R	ERJ2GEJ105X		R267	NC			
R205	RK3574	Chip R	ERJ2GEJ105X		R269	RK3532	Chip R	ERJ2GEJ331X	
R206	RK3558	Chip R	ERJ2GEJ473X		R270	RK3560	Chip R	ERJ2GEJ683X	
R207	RK3556	Chip R	ERJ2GEJ333X		R272	RK3556	Chip R	ERJ2GEJ333X	
R208	NC				R273	RK3566	Chip R	ERJ2GEJ224X	
R209	RK3574	Chip R	ERJ2GEJ105X		R274	RK3544	Chip R	ERJ2GEJ332X	
R210	RK3522	Chip R	ERJ2GEJ470X		R275	RK3566	Chip R	ERJ2GEJ224X	
R211	RK3558	Chip R	ERJ2GEJ473X		R276	RK3560	Chip R	ERJ2GEJ683X	
R212	RK3550	Chip R	ERJ2GEJ103X		R277	RK3552	Chip R	ERJ2GEJ153X	
R213	RK3558	Chip R	ERJ2GEJ473X		R278	RK3562	Chip R	ERJ2GEJ104X	
R214	RK3564	Chip R	ERJ2GEJ154X		R279	RK3558	Chip R	ERJ2GEJ473X	
R215	RK3561	Chip R	ERJ2GEJ823X		R280	RK3556	Chip R	ERJ2GEJ333X	
R216	RK3538	Chip R	ERJ2GEJ102X		R281	RK3017	Chip R	MCR03EZHJ180	
R218	RK3558	Chip R	ERJ2GEJ473X		R282	RK3514	Chip R	ERJ2GEJ100X	
R219	RK3564	Chip R	ERJ2GEJ154X		R283	RK3554	Chip R	ERJ2GEJ223X	
R220	RK3553	Chip R	ERJ2GEJ183X		R284	RK3561	Chip R	ERJ2GEJ823X	
R221	RK3548	Chip R	ERJ2GEJ682X		R285	RK3550	Chip R	ERJ2GEJ103X	
R222	RK3558	Chip R	ERJ2GEJ473X	ļ	R286	RK3570	Chip R	ERJ2GEJ474X	
R223	RK3550	Chip R	ERJ2GEJ103X		R287	RK3550	Chip R	ERJ2GEJ103X	
R224	RK3550	Chip R	ERJ2GEJ103X	ļ	R288	RK3550	Chip R	ERJ2GEJ103X	
R225	RK3554	Chip R	ERJ2GEJ223X		R289	RK3565	Chip R	ERJ2GEJ184X	
R226	RK3554	Chip R	ERJ2GEJ223X		R290	RK3017	Chip R	MCR03EZHJ180	
R227	RK3559	Chip R	ERJ2GEJ563X		R291	RK3551	Chip R	ERJ2GEJ123X	
R228	RK3550	Chip R	ERJ2GEJ103X		R292	RK3569	Chip R	ERJ2GEJ394X	
R229	RK3550	Chip R	ERJ2GEJ103X		R293	RK3532	Chip R	ERJ2GEJ331X	
R230	RK3567	Chip R	ERJ2GEJ274X		R294	RK3562	Chip R	ERJ2GEJ104X	
R231	RK3538	Chip R	ERJ2GEJ102X		R295	RK3538	Chip R	ERJ2GEJ102X	
R232	RK3566	Chip R	ERJ2GEJ224X		R296	RK3530	Chip R	ERJ2GEJ221X	
R234	RK3550	Chip R	ERJ2GEJ103X		R297	RK3546	Chip R	ERJ2GEJ472X	
R235	RK3562	Chip R	ERJ2GEJ104X		R298	RK3549	Chip R	ERJ2GEJ822X	
R236	RK3562	Chip R	ERJ2GEJ104X		R299	RK3544	Chip R	ERJ2GEJ332X	
R237	RK3522	Chip R	ERJ2GEJ470X		R300	RK3538	Chip R	ERJ2GEJ102X	
R238	RK3550	Chip R	ERJ2GEJ103X		R301	RK3501	Chip R	ERJ2GE0R00X	
R239	RK3567	Chip R	ERJ2GEJ274X		R302	RK3538	Chip R	ERJ2GEJ102X	

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Ref. No.	Parts No.	Description	Parts Name	Version	Ref. No.	Parts No.	Description	Parts Name	Version
R303	RK3550	Chip R	ERJ2GEJ103X		R366	RK3566	Chip R	ERJ2GEJ224X	
R304	RK3546	Chip R	ERJ2GEJ472X		R367	RK3558	Chip R	ERJ2GEJ473X	
R305	RK3550	Chip R	ERJ2GEJ103X		R368	RK3548	Chip R	ERJ2GEJ682X	
R306	RK3550	Chip R	ERJ2GEJ103X		R369	RK3538	Chip R	ERJ2GEJ102X	
R308	RK3574	Chip R	ERJ2GEJ105X		R370	RK3501	Chip R	ERJ2GE0R00X	
R309	RK3574	Chip R	ERJ2GEJ105X		R371	RK3546	Chip R	ERJ2GEJ472X	
R310	RK3550	Chip R	ERJ2GEJ103X		R372	RK3550	Chip R	ERJ2GEJ103X	
R311	RK3550	Chip R	ERJ2GEJ103X		R373	RK3546	Chip R	ERJ2GEJ472X	
R312	RK3570	Chip R	ERJ2GEJ474X		R374	RK3562	Chip R	ERJ2GEJ104X	
R313	RK3550	Chip R	ERJ2GEJ103X		R375	RK3550	Chip R	ERJ2GEJ103X	
R314	RK3554	Chip R	ERJ2GEJ223X		R376	RK3562	Chip R	ERJ2GEJ104X	
R315	RK3542	Chip R	ERJ2GEJ222X		R377	RK3562	Chip R	ERJ2GEJ104X	
R316	RK3550	Chip R	ERJ2GEJ103X		R378	RK3566	Chip R	ERJ2GEJ224X	
R317	RK3570	Chip R	ERJ2GEJ474X		R379	RK3562	Chip R	ERJ2GEJ104X	
R318	RK3550	Chip R	ERJ2GEJ103X		R380	RK3566	Chip R	ERJ2GEJ224X	
R319	RK3554	Chip R	ERJ2GEJ223X		R381	RK3554	Chip R	ERJ2GEJ223X	
R320	RK3574	Chip R	ERJ2GEJ105X		R382	NC			
R321	RK3550	Chip R	ERJ2GEJ103X		R384	RK3058	Chip R	MCR03EZHJ473	
R322	RK3568	Chip R	ERJ2GEJ334X		R385	NC			Т
R323	RK3550	Chip R	ERJ2GEJ103X		R385	RK3038	Chip R	MCR03EZHJ102	TA2
R324	RK3548	Chip R	ERJ2GEJ682X		R385	RK3059	Chip R	MCR03EZHJ563	TA1
R325	RK3559	Chip R	ERJ2GEJ563X		R385	RK3064	Chip R	MCR03EZHJ154	E, EUK
R326	RK3559	Chip R	ERJ2GEJ563X		R386	NC			T, E, EUK
R327	RK3550	Chip R	ERJ2GEJ103X		R386	RK3038	Chip R	MCR03EZHJ102	TA1, TA2
R328	RK3550	Chip R	ERJ2GEJ103X		R387	NC			
R330	RK3546	Chip R	ERJ2GEJ472X		R388	RK3550	Chip R	ERJ2GEJ103X	
R331	RK3546	Chip R	ERJ2GEJ472X		R392	RK3550	Chip R	ERJ2GEJ103X	
R332	RK3546	Chip R	ERJ2GEJ472X		R393	RK3534	Chip R	ERJ2GEJ471X	
R333	RK3546	Chip R	ERJ2GEJ472X		R394	RK3530	Chip R	ERJ2GEJ221X	
R334	RK3562	Chip R	ERJ2GEJ104X		R395	RK3556	Chip R	ERJ2GEJ333X	
R335	RK3562	Chip R	ERJ2GEJ104X		R396	RK3556	Chip R	ERJ2GEJ333X	
R336	RK3562	Chip R	ERJ2GEJ104X		R398	RK3566	Chip R	ERJ2GEJ224X	
R337	RK3550	Chip R	ERJ2GEJ103X		R401	RK3501	Chip R	ERJ2GE0R00X	
R338	RK3542	Chip R	ERJ2GEJ222X		R402	RK3501	Chip R	ERJ2GE0R00X	
R339	RK3550	Chip R	ERJ2GEJ103X		R403	RK3570	Chip R	ERJ2GEJ474X	
R340	RK3550	Chip R	ERJ2GEJ103X		R404	RK3550	Chip R	ERJ2GEJ103X	
R341	RK3550	Chip R	ERJ2GEJ103X		R405	RK3542	Chip R	ERJ2GEJ222X	
R342	RK3538	Chip R	ERJ2GEJ102X		R406	RK3546	Chip R	ERJ2GEJ472X	
R343	RK3550	Chip R	ERJ2GEJ103X		R407	RK3562	Chip R	ERJ2GEJ104X	
R344	RK3537	Chip R	ERJ2GEJ821X		R409	RK3534	Chip R	ERJ2GEJ471X	
R345	RK3558	Chip R	ERJ2GEJ473X		R410	RK0107	Chip R	ERJ6GEY0R00V	
R346	RK3537	Chip R	ERJ2GEJ821X		SW101	UU0041	Switch	EVQP4203M	
R347	NC				SW102	UU0041	Switch	EVQP4203M	
R348	RK3552	Chip R	ERJ2GEJ153X		SW103	UU0041	Switch	EVQP4203M	
R349	NC				TC101	NC			
R350	RK3562	Chip R	ERJ2GEJ104X		TH101	XS0052	Thermistor	NTCG104LH104JT1	
R351	RK3550	Chip R	ERJ2GEJ103X		VR101	RH0233	Trimmer R	RH02B1C15X	
R352	NC	ļ			VR102	RH0233	Trimmer R	RH02B1C15X	
R353	RK3546	Chip R	ERJ2GEJ472X		VR103	RH0225	Trimmer R	RH02B1CS3X	
R354	RK3550	Chip R	ERJ2GEJ103X		VR104	RH0225	Trimmer R	RH02B1CS3X	
R355	RK3550	Chip R	ERJ2GEJ103X		VR105	RH0225	Trimmer R	RH02B1CS3X	
R357	RK3501	Chip R	ERJ2GE0R00X		W101	MPCL07AA	Wire	#30P02-070-02	
R358	NC				W102	MACL07AA	Wire	#30A02-070-02	TA4 T10
	NC	<u> </u>			W103	NC	148	<u></u>	TA1, TA2
R360	NC	ļ			W103	MACLH2GG	Wire	#30AH1-025-H1	T, E, EUK
R361	NC	l			X101	NC			
R362	RK3536	Chip R	ERJ2GEJ681X		X102	XQ0194	Crystal	NT3225SA12.8M	
R363	RK3558	Chip R	ERJ2GEJ473X		X103	XK0004	Discriminator	CDBLB450KCAY24-B0	
R364	RK1018	Chip R	ERJ8GEYJ101V		X104	XQ0184	Crystal	AT49 3.6864M	
R365	RK3546	Chip R	ERJ2GEJ472X][UP0541	PCB	DJ170 INTEGRATED	

Model:DJ-V47

Ref. No.	Parts No.	Description	Parts Name	Version
	FM0265A		HEAT SINK DJ170	
	TS0183	VCO CASE	VCO CASE	
	TZ0049		SILICON DUMPER	

Mechanical Unit

Model:DJ-V47

Ref. No.	Parts No.	Description	Parts Name	Version
	AF0018		XQN2+C4FZ	
	AF0030		XQN2+A6FN(58364-0001	
	AP0039		PH P2+20 FE/3BBC	
	AX0004Z		PT 3P 2X8 BBC AX0004	
	DG0046		LCD LIGHT	
	DP0183		LCD PANNEL DJV47	
	FG0392		WATERPROOF	
	FG0418		LCD RUB CONE	
	FG0419		WATERPROOF RUBBER	
	FG0423		JACK CAP DJ170	
	FG0424		O RING (R COVER)	
	FG0426		MIC RUBBER	
	FP0254		REAR COVER	
	FP0255		ROCK LEVER	
	FP0264		BLIND SEAL	
	NK0081		VOL KNOB	
	SP0013		LECTRA #7800	
	ST0089		LCD HOLDER	
	TL0033		REFLECTIVE SHEET	
	YX0039		LCD TAPE DJS45	

Packing Unit

Model:DJ-V47

Ref.	Parts No.	Description	Parts Name	Version
No.	Faits No.	Description	rans name	Version
	EA0143	ANTENNA	EA0143	T, E, EUK
	EA0144	ANTENNA	EA0144	T2
	EA0152	ANTENNA	EA0152	T1
	EG0062	BATTERY	EBP-65 P BAG	T1, T2
	EG0065	BATTERY	EBP-65A P BAG	T,E,EUK
	EDC146	ADAPTOR	ADAPTOR 120V	Τ
	EDC147	ADAPTOR	ADAPTOR 230V	E, T1, T2
	EDC148	ADAPTOR	ADAPTOR 230V (UK)	EUK
	PR0478		SERIAL SEAL	
	DS0446		NITTO MODEL PLATE(S)	
	PR0447		WARNING FCC (N)	Т
	PR0452		FCC HOME USE	Т
	HU0234		INNER DJ170	
	PS0520B	INSTRUCTION MANUAL	INSTRUCTION DJV17	
	PH0015		WARRANTY CEAT EXPORT	Т
	PK0116		CIRCUIT DIAGRAM V47	
	HK0646		INDIVIDUAL BOX V47	
	HP0031		PLA.BAG 5X100X200	
	AA0076		PH M3+6FE/B·ZN	
	BB0009Y	HAND STRAP	HAND STRAP DJS41	
	BH0017	BELT CLIP	BELT CLIP	
	HP0003		PLA.BAG 5X75X110	

CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY

AN INCORRECT TYPE. DISPOSE OF USED BATTERIES

ACCORDING TO THE INSTRUCTIONS.

ADJUSTMENTS

1) Required Test Equipment

The following items are required to adjust radio parameters

Test Equipment		DJ-V17	DJ-V47
1. Regulated power supply	Supply voltage	13.8	B DC
	Current	3A or	more
2.Digital multimeter	Voltage range	FS = App	prox. 20V
	Current	10A o	r more
	Input resistance	High im	pedance
3.Oscilloscope	Measurable frequency	Audio fr	equency
4.Audio dummy load	Impedance	8	Ω
	Dissipation	1W or	r more
	Jack	3.5n	nm Φ
5.SSG	Output frequency	200MHz or more	500MHz or more
	Impedance	50Ω, unbalanced	
	Modulation	F	M
6.Power meter	Measurable frequency	200MHz or more	500MHz or more
	Impedance	50Ω, unbalanced	
	Measuring range	10W or more	
7.Audio voltmeter	Measurable frequency	Up to 100kHz	
	Sensitivity	1mV t	to 10V
8.Audio generator	Output frequency	67Hz to	10kHz
	Output impedance	600Ω, un	balanced
9.Distortion meter /SINAD meter	Measurable frequency	1k	Hz
	Input level	Up to	40dB
	Distortion	1%-1	100%
10.Frequency counter	Measurable frequency	200MHz or more	500MHz or more
	Measurable stability	Approx.	±0.1ppm
11.Linear detector	Measurable frequency	200MHz or more	500MHz or more
	Characteristics	F	lat
	CN	60dB or more	
12. DC Ammeter	Current	3A or	more

Note:

(1). SSG initial setting

Modulation Frequency:1kHz Modulation Level:3.5kHz

- (2). Necessary optional accessory: EDS-10 (Microphone/SpeakerCable)
- (3). Reference sensitivity: 12dB SINAD
- (4). Specified audio output level: 500mW at 8Ω
- (5). Standard audio output level: 50mW at 8Ω
- (6). Use an RF cable (3D2W:1M) for test equipment.
- (7). Attach a fuse to the RF test equipment.
- (8). All SSG outputs are indicated by EMF
- (9). Supply voltage for the transceiver:13.8VDC

2)Preparation:

- 1. Turn off the power of the adjusting unit (the unit hereafter).
- 2. Remove the screw 1.
- 3. Remove the rear cover 2.
- 4. Remove the wire ③. Keep the wire aside as it will be necessary later. This operation is necessary for the DJ-V17E, DJ-V47E and DJ-V47EUK.
- 5. Turn on the unit by pressing "F" key and "V/M" key together. The display will be blank out for 2 seconds then comes back normal.

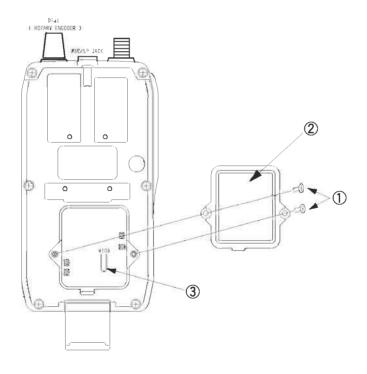


Chart 1: Removing the rear cover

3) Adjustment mode

The adjustment should be operated in the Adjustment mode. Therefore except for the reference frequency, deviation and tone-deviation adjustments an operator won't touch the components on the board, but most of the adjustments should be done by operating the dial and keys on the unit. During such operation, memory channels are used temporary therefore it is required to program memories before the unit is set to the adjustment mod. Please refer the chart below for the programming channels. The frequencies may be varied within the range of ± 0.2 MHz depending on the RF environment around your work area, and refer the instruction manual for how to program the memories into the memory-channels.

To enter the adjustment mode, press "F" then "KL" to key-lock the unit. Then press the numeric keys in order of "4", "9", "0", "2", "1" and "7". Observe that decimal points appear on the display below 100MHz and 10MHz digits. To exit from the adjustment mode, repeat the whole sequence (key-lock then enter the code in order). NEVER RESET THE UNIT WHILE OPERATING IN THE SET MODE. This may reset whole adjustment values resulting the malfunction of the unit in the operating mode. The chart below shows the adjustment points and interface between the unit and instruments. Please use an attenuator in case the specifications of the linear-detector and frequency counter may exceed the requirement herein.

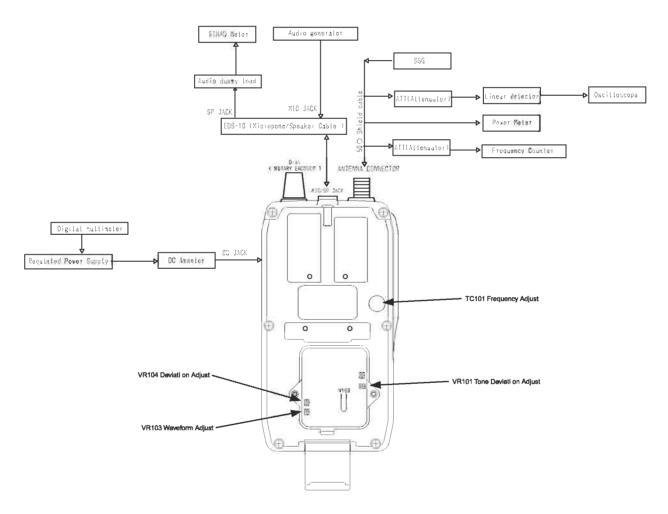


Chart 2: Adjustment points and interface between the unit and instruments

Table 1: Memory programming for adjustment mode

^{*} Simply memory the frequencies only into the relative memory channels.

			Frequency						
Channel	Adjustment menu	DJ-	DJ-V17		DJ-V47				
		T, E, EUK	TFH, R	T1	E, EUK	Т	T2		
1	Frequency Adjustment	145.000	162.000	415.000	435.000	445.000	460.000		
2	TX-output / High power	145.000	162.000	415.000	435.000	445.000	460.000		
3	TX-output / Low power	145.000	162.000	415.000	435.000	445.000	460.000		
4	Microphone deviation	145.000	162.000	415.000	435.000	445.000	460.000		
5	Check DTMF tone [1]	145.000	162.000	415.000	435.000	445.000	460.000		
6	Check DTMF tone [D]	145.000	162.000	415.000	435.000	445.000	460.000		
8	CTCSS tone deviation	145.000	162.000	415.000	435.000	445.000	460.000		
10	Check DCS deviation	145.000	162.000	415.000	435.000	445.000	460.000		
11	Check Tone-burst tone deviation	145.000	162.000	415.000	435.000	445.000	460.000		
12	Secsitivity adjustment (lower edge)	130.	.000		401.	.000			
13	Secsitivity adjustment (center of)	145.000	150.000	420.000	435.000	445.000	460.000		
14	Secsitivity adjustment (Upper edge)	173.	.000	459.000		479.000			
15	Secsitivity adjustment (minimum)	145.000	162.000	415.000	435.000	445.000	460.000		
16	Secsitivity adjustment (maximum)	145.000	162.000	415.000	435.000	445.000	460.000		
17	S-meter adjustment (1)	145.000	162.000	415.000	435.000	445.000	460.000		
18	S-meter adjustment (Full)	145.000	162.000	415.000	435.000	445.000	460.000		
19	ATT (Attenuator) adjustment	145.000	162.000	415.000	435.000	445.000	460.000		
24	Low-battery icon appearance (Li-ion)	145.000	162.000	415.000	435.000	445.000	460.000		
25	Low-battery icon appearance	145.000	162.000	415.000	435.000	445.000	460.000		

1. Frequency adjustment

Select memory ch.1.

Press PTT on the unit to transmit and measure the TX frequency. Align TC101 to bring the value to the range specified below.

Specification value:

	DJ-V17	DJ-V47	
Specification value	±50)Hz	

Necessary instrument: Frequency counter

2. TX output - High power

Select memory ch.2.

Press PTT on the unit to transmit. One of digits 10-1F should appear on the display where memory channel number was shown. Rotate the dial on the unit to adjust the TX power to meet the specification. Release the PTT to finish the adjustment. Be sure to check the consuming current value after the adjustment is completed.

Specification:

	DJ-V17	DJ-V47
TX-output power/High	5.0 v	vatts
Current consumption	1.5A or less 1.8A or less	

Necessary instrument : DC Ammeter / Power meter

3. TX output - Low power

Select memory ch.3.

Press PTT on the unit to transmit. One of digits 0-F should appear on the display where memory channel number was shown. Rotate the dial on the unit to adjust the TX power to meet the specification. Release the PTT to finish the adjustment. Be sure to check the consuming current value after the adjustment is completed.

Specification:

	DJ-V17	DJ-V47
TX-output power/Low	0.8 v	vatts

Necessary instrument: Power meter

4. Microphone deviation

Select memory ch.4.

Input the signal as specified below from an Audio generator and transmit. Measure the deviation value using a Liner-detector. Align VR104 to bring the value to the range specified below.

Specification:

	DJ-V17	DJ-V47
Microphone deviation	4.3±0	.1kHz

Measuring condition:

(1). Audio generator setting

Frequency: 1kHz
Output Level: 50mV

Necessary instrument : Audio generator / Linear detector

Optional accessory required : EDS-10

5. Check DTMF tone [1] deviation

Select memory ch.5.

Press PTT to automatically transmit DTMF tone [1]. Make sure the value is within the specification.

Specification:

	DJ-V17	DJ-V47
DTMF tone [1] deviation	2.4~3	.6kHz

Necessary instrument: Linear detector

6. Check DTMF tone [D] deviation

Select memory ch.6.

Press PTT to automatically transmit DTMF tone [D]. Make sure the value is within the specification.

Specification:

	DJ-V17	DJ-V47
DTMF tone [D] deviation	2.4~3	8.6kHz

Necessary instrument : Linear detector

7. CTCSS tone 88.5Hz deviation and adjustment of the sign-wave

Select memory ch.8.

Press PTT to automatically transmit 88.5Hz tone. Measure the deviation value using a Liner-detector. Align VR101 to bring the value to the range specified below. Use an oscilloscope to monitor the sign-wave then correct the wave shape (see the chart 3 below). Use VR103 to correct the wave shape if necessary.

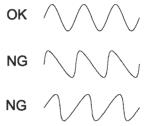


Chart 3: sign-wave correction

Specification:

	MODEL					
	DJ-	DJ-V47				
	T/E/EUK	TFH/R	D3-441			
CTCSS tone 88.5Hz deviation	0.80±0.05Hz	0.90±0.05Hz	0.80±0.05Hz			

Necessary instrument : Linear detector / Oscilloscope

8. Check DCS deviation (255)

Select memory ch.10.

Press PTT to automatically transmit DCS tone (255). Make sure the value is within the specification using a linear-detector.

Specification:

	DJ-V17	DJ-V47
DCS deviation (255)	0.7~1	.2kHz

Necessary instrument: Linear detector

9. Check Tone-burst tone 1750Hz deviation

Select memory ch.11.

Press PTT to automatically transmit a tone-burst tone 1750Hz. Make sure the value is within the specification using a linear-detector.

Specification:

	DJ-V17	DJ-V47		
1750Hz Deviation	2.6~3.4kHz	2.4~3.6kHz		

Necessary instrument: Linear detector

10. Receiver sensitivity adjustment

Preparation: Set the speaker audio output level to 50mW.

Operation: There are three points to be adjusted, the lower, central, and upper edges of the receiver's covering range. Set the memory channels accordingly. Input an RF signal from the SSG to the antenna connector then measure output signal at the speaker jack using a SINAD meter. Press "F" (FUNC) key on the unit. One of digits 0-FF should appear on the display where memory channel number was shown. Rotate the dial on the unit to bring the SINAD value to 12dB or better.

a. Lower edge

Condition:

(1). Memory Channel: 12

(2). SSG setting

	MODEL					
	DJ-	V17	DJ-	V47		
	T/E/EUK	TFH/R	T1	E/EUK/T/T2		
Frequency (MHz)	130	.000	401.000			
RF Output Level (dB μ)	-6.0	-5.0	-6.0	-3.0		
Modulation Frequency (kHz)	1					
Modulation Level (kHz)	3.5					

b. Center of the covering range

Condition:

(1). Memory Channel: 13

(2). SSG setting

	MODEL					
	DJ-V17 T/E/EUK TFH		DJ-V47			
			T1	E/EUK	Т	T2
Frequency (MHz)	145.000	150.000	420.000	435.000	445.000	460.000
RF Output Level (dB μ)	-8	.0	-6.0			
Modulation Frequency (kHz)	1					
Modulation Level (kHz)		3.5				

c. Upper edge

(1). Memory Channel:14

(2). SSG setting

	MODEL						
	D 1 1/47	DJ	-V47				
	DJ-V17	T1	E/EUK/T/T2				
Frequency (MHz)	173.000	459.000	479.000				
RF Output Level (dB μ)	-8.0	-6.0					
Modulation Frequency (kHz)	1						
Modulation Level (kHz)	3.5						

Necessary instruments: Audio voltmeter / SSG / SINAD Meter / Audio dummy load Optional accessory required: EDS-10

Note:

Press "FUNC" key or leave the unit for 5 seconds to enter the new values and go to the next adjustment procedure. Memory number should appear on the display when the unit exits the sensitivity adjustment.

11. Squelch adjustments:

Select the memory channel number accordingly to adjust the level Min and Max.

Input an RF signal to the antenna connector from SSG then press FUNC key on the unit. A beep ("pip") sounds and completes the adjustment.

a. Squelch level (Min.)

Condition:

(1). Memory Channel: 15

(2). SSG setting

	MODEL					
	DJ-V17 T/E/EUK TFH		DJ-V47			
			T1	E/EUK	Т	T2
Frequency (MHz)	145.000	162.000	415.000	435.000	445.000	460.000
RF Output Level (dB μ)	-1 ⁻	1.0	-10.0			
Modulation Frequency (kHz)	1					
Modulation Level (kHz)	3.5					

b. Squelch level (Max.)

Condition:

(1). Memory Channel: 16

(2). SSG setting

	MODEL					
	DJ-V17 T/E/EUK TFH		DJ-V47			
			T1	E/EUK	Т	T2
Frequency (MHz)	145.000	162.000	415.000	435.000	445.000	460.000
RF Output Level (dB μ)	0					
Modulation Frequency (kHz)	1					
Modulation Level (kHz)	3.5					

Necessary instrument: SSG

12. S-meter adjustments

Select the memory channel number accordingly to adjust the S-meter level 1 and full.

Input an RF signal to the antenna connector from SSG then press FUNC key on the unit. A beep ("pip") sounds and completes the adjustment.

a. S-meter level 1

Condition:

(1). Memory Channel: 17

(2). SSG setting

	MODEL						
	DJ-V17		DJ-V47				
	T/E/EUK	TFH	T1	E/EUK	Т	T2	
Frequency (MHz)	145.000	162.000	415.000	435.000	445.000	460.000	
RF Output Level (dB μ)	0						
Modulation Frequency (kHz)	1						
Modulation Level (kHz)	3.5						

b. S-meter level Full

Condition:

(1). Memory Channel: 18

(2). SSG setting

	MODEL						
	DJ-V17		DJ-V47				
	T/E/EUK	TFH	T1	E/EUK	Т	T2	
Frequency (MHz)	145.000	162.000	415.000	435.000	445.000	460.000	
RF Output Level (dB μ)	20.0						
Modulation Frequency (kHz)	1						
Modulation Level (kHz)	3.5						

Necessary instrument: SSG

13. Attenuator adjustment

Select the memory ch.19.

Input an RF signal to the antenna connector from SSG then press FUNC key on the unit.

One of digits 0-FF should appear on the display where memory channel number was shown. Rotate the dial on the unit to adjust to the point that the S-meter's 3rd segment turns to 4th for DJ-V17, 4th to 5th for the DJ-V47. It is acceptable if the 4th(V17) or 5th(V47) segment blinks at this moment.

Condition:

(1). SSG setting

	MODEL					
	DJ-V17		DJ-V47			
	T/E/EUK	TFH	T1	E/EUK	Т	T2
Frequency (MHz)	145.000	162.000	415.000	435.000	445.000	460.000
RF Output Level (dB μ)	20.0					
Modulation Frequency (kHz)	1					
Modulation Level (kHz)	3.5					

Necessary instrument: SSG

Note:

- (1) Press "FUNC" key or leave the unit for 5 seconds to go to the next adjustment procedure. Memory number should appear on the display when the unit exits this adjustment point.
- (2) The S-meter adjustment should be completed before you perform this operation.

14. Low-battery icon appearance (Li-ion)

Select the memory ch.24.

Press "F" (FUNC) key on the unit. One of digits 0-FF should appear on the display where memory channel number was shown. Rotate the dial on the unit to select "67". The value can be varied by rotating the dial, but select always 67.

Note:

Press "FUNC" key or leave the unit for 5 seconds to go to the next adjustment procedure. Memory number should appear on the display when the unit exits this adjustment point.

15. Low-battery icon appearance (Alkaline)

Select the memory ch.25.

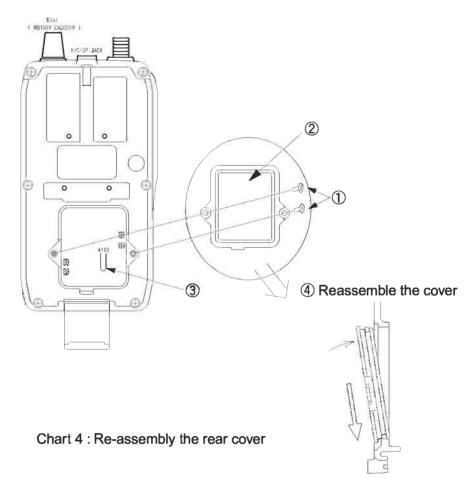
Press "F" (FUNC) key on the unit. One of digits 0-FF should appear on the display where memory channel number was shown. Rotate the dial on the unit to select "69" (DJ-V47: "6A"). The value can be varied by rotating the dial, but select always 69 (DJ-V47:6A).

Note:

Press "FUNC" key or leave the unit for 5 seconds to go to the next adjustment procedure. Memory number should appear on the display when the unit exits this adjustment point.

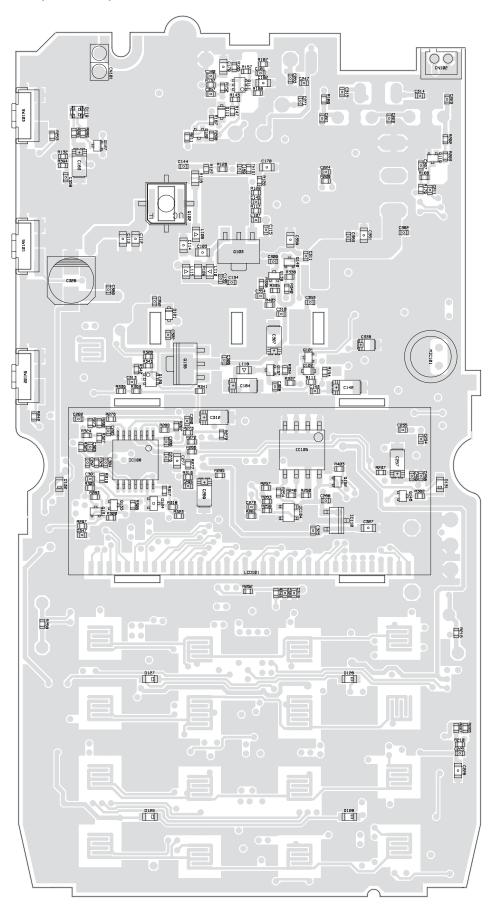
4) Re-assembly

- 1. Turn off the unit.
- 2. In case of DJ-V17E, DJ-V47E and DJ-V47EUK, re-solder the wire ③. This sequence is not required for other versions.
- 3. According to the instruction below ④, mount the rear-cover ②.
- 4. Securely screw 1 to fix the cover.
- 5. Turn on the unit by pressing "F" key and "V/M" key together to reset the CPU. The display will be blank out for 2 seconds then comes back normal.

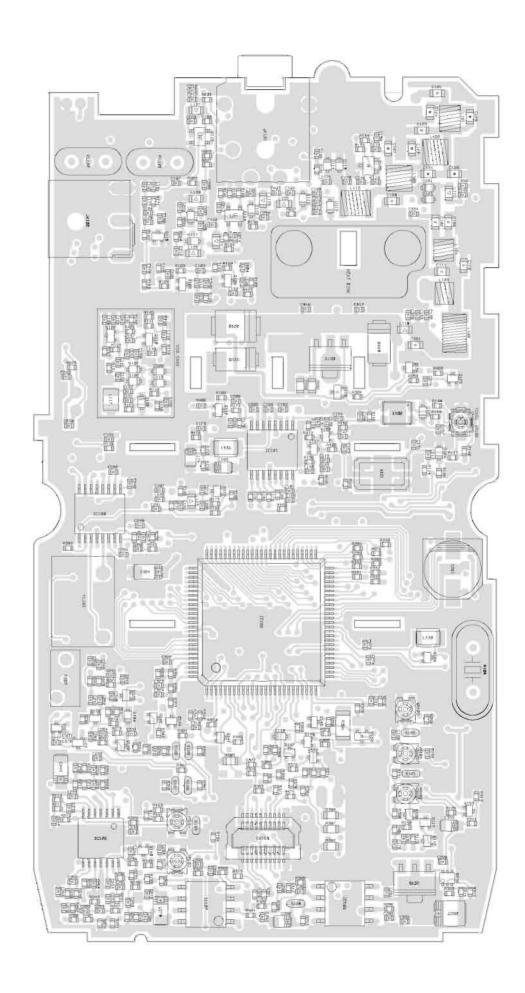


PC BOARD VIEW

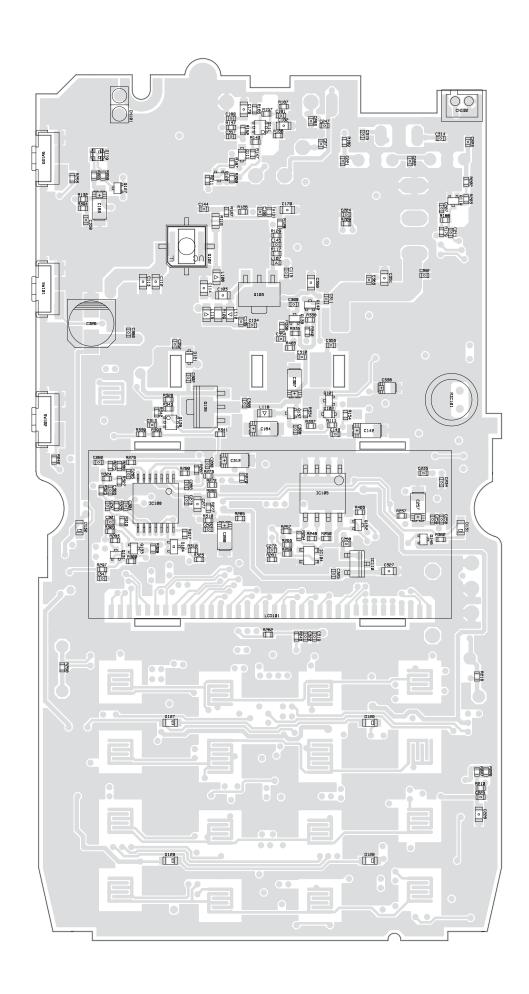
MAIN SIDE A (DJ-V17)



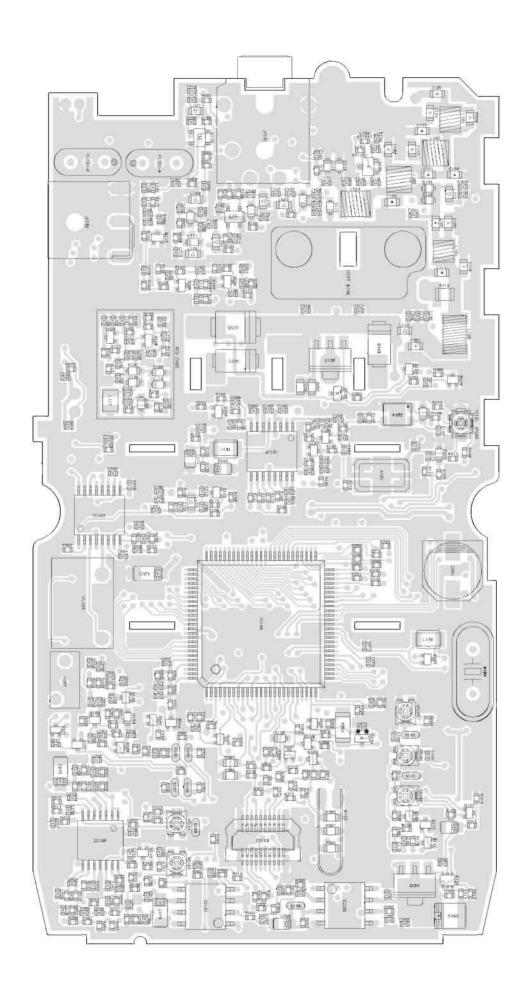
MAIN SIDE B (DJ-V17)



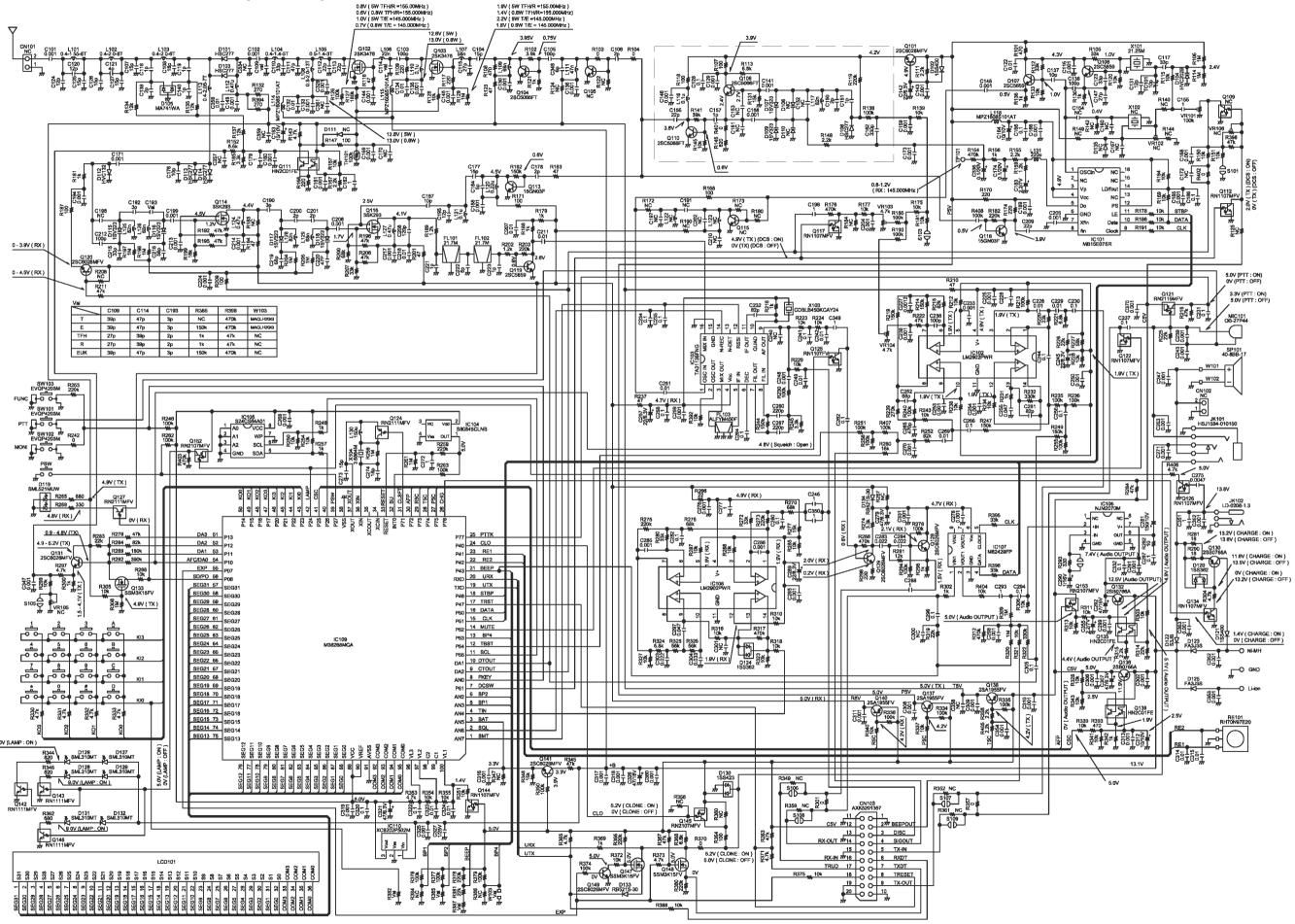
MAIN SIDE A (DJ-V47)



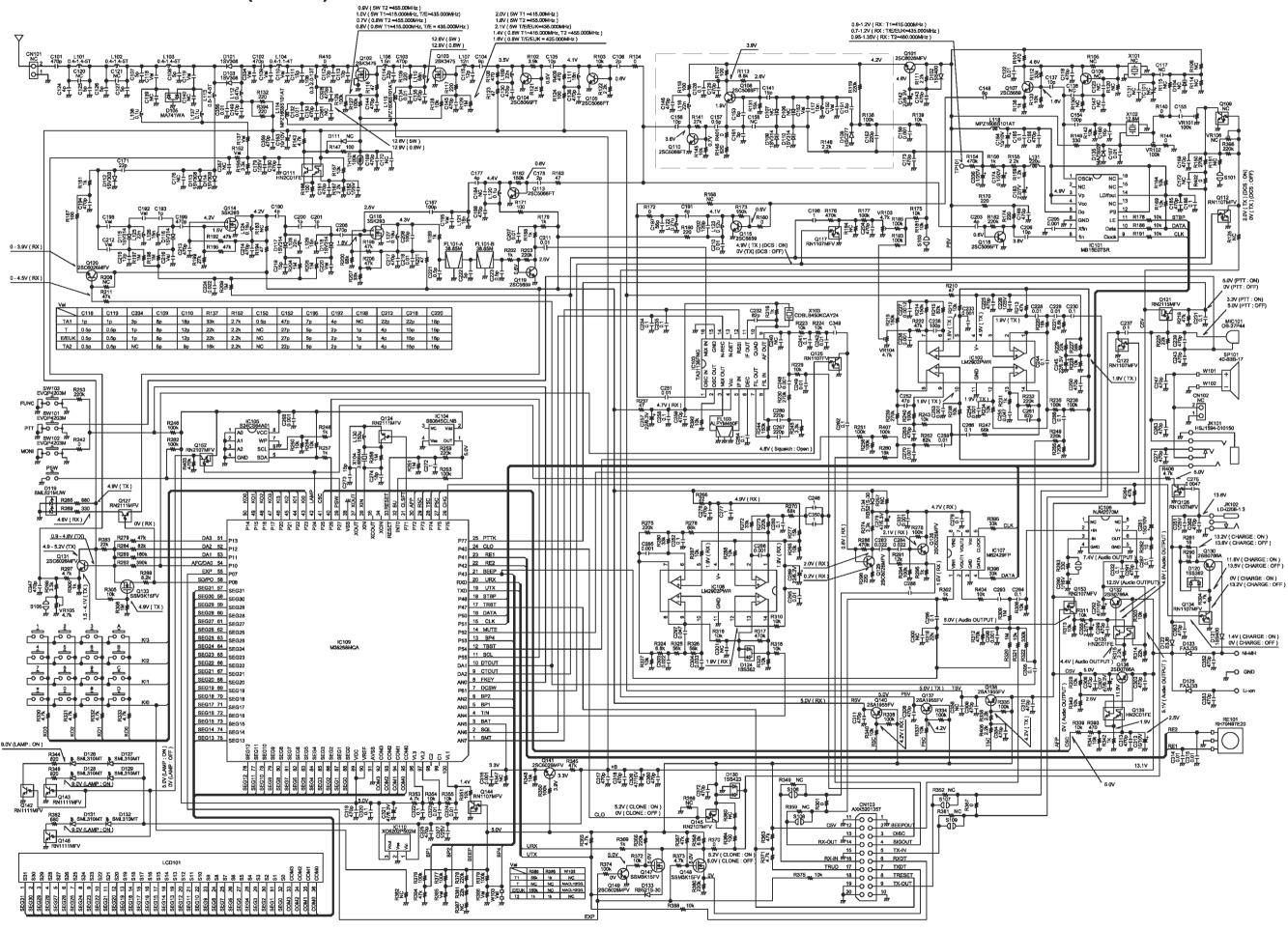
MAIN SIDE B (DJ-V47)



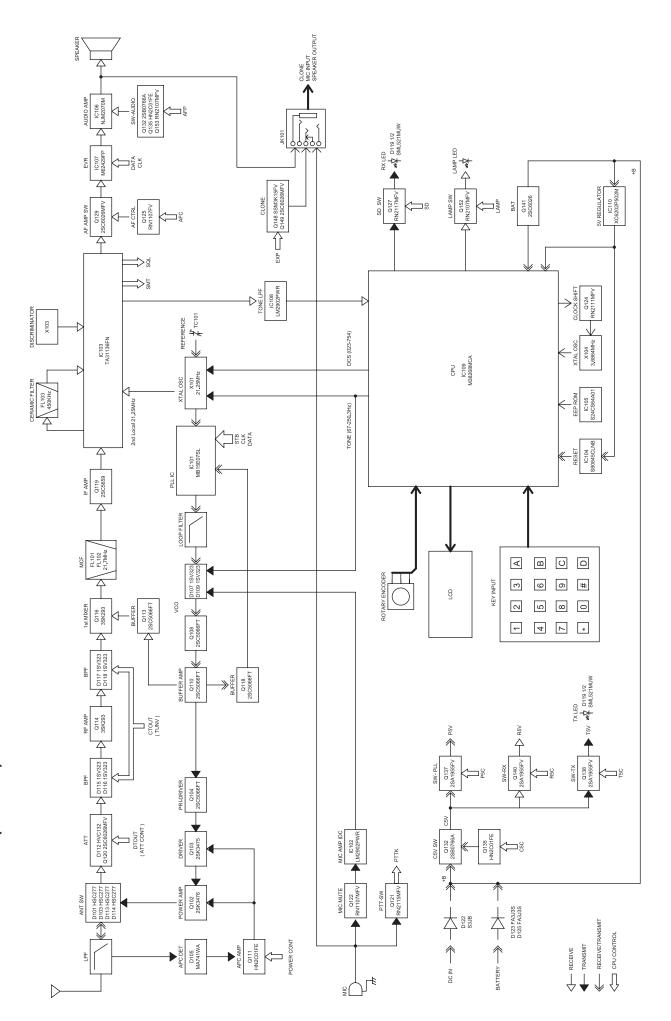
SCHEMATIC DIAGRAM (DJ-V17)

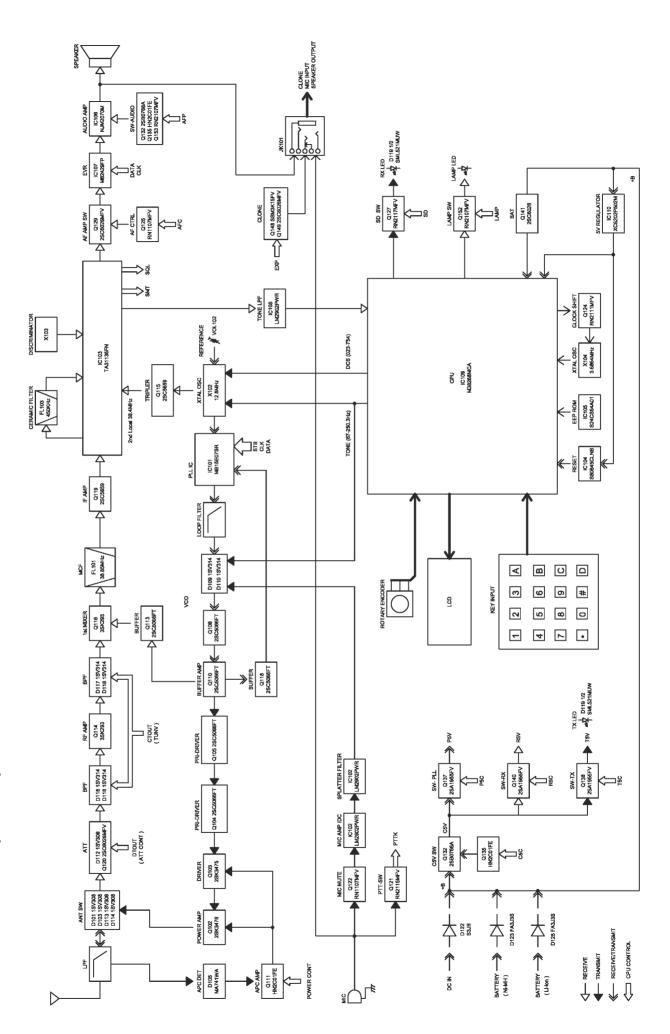


SCHEMATIC DIAGRAM (DJ-V47)



BLOCK DIAGRAM (DJ-V17)





ALINCO, INC.

Head Office: Shin-Dai Building 9th Floor

2-6, 1-Chome, Dojimahama, Kita-ku, Osaka 530-0004, JAPAN

Phone: +81-6-4797-2136 Fax: +81-6-4797-2157

E-mail: export@alinco.co.jp

Dealer/Distributor